

POWER INDUCTORS



PALNOVA

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SMD Shielded Drum Core Inductors	
PDRH127-XXXM	12.50 X 12.50 X 8.0
PDRH125 -XXXM	12.50 X 12.50 X 6.0
PDRH124-XXXM	12.30 X 12.30 X 4.5
PDRH74-XXXM	7.50 X 7.50 X 4.5
PDRH74B-XXXM	7.50 X 7.50 X 4.5
PDRH105R-XXXN	10.30 X 10.50 X 5.10
PDRH104R-XXXN	10.30 X 10.40 X 4.0
PDRH5D28-XXXN	5.70 X 5.70 X 3.0
PDRH4D18-XXXN	5.00 X 5.00 X 2.00
PDRH2D18-XXXN	4.0 X 4.0 X 3.0
PDRH63-XXXM	6.30 X 6.20 X 3.0
PDRH4040-XXXN	4.00 X 4.00 X 1.80

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SHIELDED SURFACE MOUNT POWER INDUCTOR

- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 9.8A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +125°C



Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V	D.C.R (mΩ MAX)	RATED CURRENT (A MAX)
PDRH127-1R2N	1.2μH ± 30%	7	9.80
PDRH127-2R4N	2.4μH ± 30%	12	8.00
PDRH127-3R5N	3.5μH ± 30%	14	7.50
PDRH127-4R7N	4.7μH ± 30%	16	6.80
PDRH127-6R1N	6.1μH ± 30%	18	6.60
PDRH127-7R6N	7.6μH ± 30%	20	5.90
PDRH127-100M	10μH ± 20%	22	5.40
PDRH127-120M	12μH ± 20%	24	4.90
PDRH127-150M	15μH ± 20%	27	4.50
PDRH127-180M	18μH ± 20%	39	3.90
PDRH127-220M	22μH ± 20%	43	3.60
PDRH127-270M	27μH ± 20%	46	3.40
PDRH127-330M	33μH ± 20%	65	3.00
PDRH127-390M	39μH ± 20%	73	2.75
PDRH127-470M	47μH ± 20%	100	2.50
PDRH127-560M	56μH ± 20%	110	2.35
PDRH127-680M	68μH ± 20%	140	2.10
PDRH127-820M	82μH ± 20%	160	1.95
PDRH127-101M	100μH ± 20%	220	1.70
PDRH127-121M	120μH ± 20%	250	1.60
PDRH127-151M	150μH ± 20%	280	1.42
PDRH127-181M	180μH ± 20%	350	1.30
PDRH127-221M	220μH ± 20%	390	1.16
PDRH127-271M	270μH ± 20%	560	1.06
PDRH127-331M	330μH ± 20%	640	0.95
PDRH127-391M	390μH ± 20%	700	0.88
PDRH127-471M	470μH ± 20%	980	0.79
PDRH127-561M	560μH ± 20%	1070	0.73
PDRH127-681M	680μH ± 20%	1460	0.67
PDRH127-821M	820μH ± 20%	1640	0.60
PDRH127-102M	1000μH ± 20%	1820	0.55

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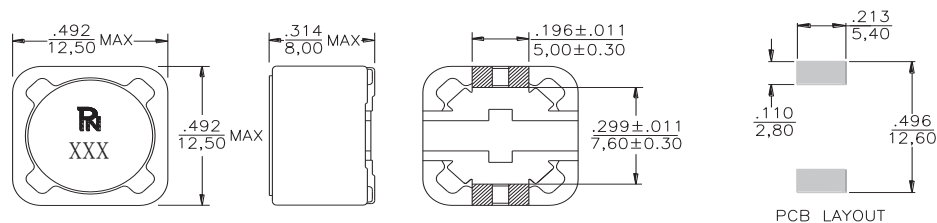
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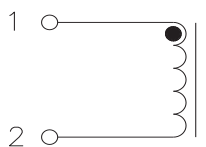


SHIELDED SURFACE MOUNT POWER INDUCTOR

Dimensions (unit: inch/mm)



Schematics



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SHIELDED SURFACE MOUNT POWER INDUCTOR

- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 8A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +125°C



Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V	D.C.R (mΩ MAX)	RATED CURRENT (A MAX)
PDRH125-1R3N	1.3μH+30%/-20%	12	8.00
PDRH125-2R1N	2.1μH+30%/-20%	14	7.00
PDRH125-3R1N	3.1μH+30%/-20%	17	6.00
PDRH125-4R4N	4.4μH+30%/-20%	20	5.00
PDRH125-5R8N	5.8μH+30%/-20%	21	4.40
PDRH125-7R5N	7.5μH+30%/-20%	24	4.20
PDRH125-7R6N	7.6μH+30%/-20%	26.5	4.50
PDRH125-100M	10μH±20%	25	4.00
PDRH125-120M	12μH±20%	27	3.50
PDRH125-150M	15μH±20%	30	3.30
PDRH125-180M	18μH±20%	34	3.00
PDRH125-220M	22μH±20%	36	2.80
PDRH125-270M	27μH±20%	51	2.30
PDRH125-330M	33μH±20%	57	2.10
PDRH125-390M	39μH±20%	68	2.00
PDRH125-470M	47μH±20%	75	1.80
PDRH125-560M	56μH±20%	110	1.70
PDRH125-680M	68μH±20%	120	1.50
PDRH125-820M	82μH±20%	140	1.40
PDRH125-101M	100μH±20%	160	1.30
PDRH125-121M	120μH±20%	170	1.10
PDRH125-151M	150μH±20%	230	1.00
PDRH125-181M	180μH±20%	290	0.90
PDRH125-221M	220μH±20%	400	0.80
PDRH125-271M	270μH±20%	460	0.75
PDRH125-331M	330μH±20%	510	0.68
PDRH125-391M	390μH±20%	690	0.65
PDRH125-471M	470μH±20%	770	0.58
PDRH125-561M	560μH±20%	860	0.54
PDRH125-681M	680μH±20%	1200	0.48
PDRH125-821M	820μH±20%	1340	0.43
PDRH125-102M	1000μH±20%	1530	0.40

PRODUCT P/N: PDRH125-XXXY

REV: 01-04/10/14

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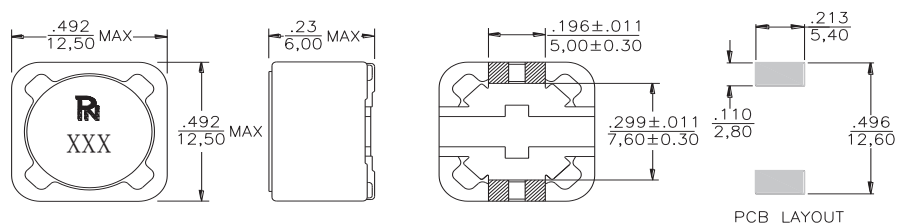
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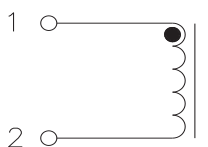
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SHIELDED SURFACE MOUNT POWER INDUCTOR

Dimensions (unit: inch/mm)



Schematics



PRODUCT P/N: PDRH125-XXX

REV: 01-04/10/14

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SHIELDED SURFACE MOUNT POWER INDUCTOR

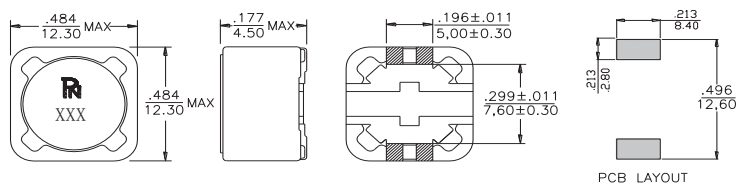
- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 16.0A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +100°C



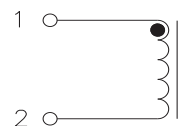
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH124-R47M	0.47	2.7	16.00
PDRH124-1R0M	1	3.6	13.90
PDRH124-1R5M	1.5	5.7	11.10
PDRH124-2R2M	2.2	7.1	9.10
PDRH124-3R9M	3.9	15	6.50
PDRH124-4R7M	4.7	18	5.70
PDRH124-6R8M	6.8	23	4.90
PDRH124-8R2M	8.2	26	4.60
PDRH124-100M	10	28	4.50
PDRH124-120M	12	38	4.00
PDRH124-150M	15	50	3.20
PDRH124-180M	18	57	3.10
PDRH124-220M	22	66	2.90
PDRH124-270M	27	80	2.80
PDRH124-330M	33	97	2.70
PDRH124-390M	39	132	2.10
PDRH124-470M	47	150	1.90
PDRH124-560M	56	190	1.80
PDRH124-680M	68	220	1.50
PDRH124-820M	82	260	1.30
PDRH124-101M	100	308	1.20
PDRH124-121M	120	380	1.10
PDRH124-151M	150	530	0.95
PDRH124-181M	180	620	0.85
PDRH124-221M	220	770	0.80
PDRH124-271M	270	876	0.60
PDRH124-331M	330	990	0.50
PDRH124-471M	470	1491	0.68
PDRH124-681M	680	2215	0.56
PDRH124-821M	820	2351	0.53
PDRH124-102M	1000	3477	0.44

Dimensions (unit: inch/mm)



Schematics



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SHIELDED SURFACE MOUNT POWER INDUCTOR

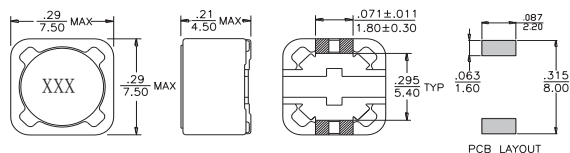
- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 8.5A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



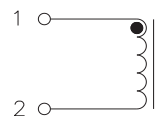
Electrical Specifications @ 25°C

P/N	OCL@1KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH74-R33M	0.33	17	8.50
PDRH74-3R3M	3.3	30	4.50
PDRH74-100M	10	49	1.84
PDRH74-120M	12	58	1.71
PDRH74-150M	15	81	1.47
PDRH74-180M	18	91	1.31
PDRH74-220M	22	110	1.23
PDRH74-270M	27	150	1.12
PDRH74-330M	33	170	0.96
PDRH74-390M	39	230	0.91
PDRH74-470M	47	260	0.88
PDRH74-560M	56	350	0.75
PDRH74-680M	68	380	0.69
PDRH74-820M	82	430	0.61
PDRH74-101M	100	610	0.60
PDRH74-121M	120	660	0.52
PDRH74-151M	150	880	0.46
PDRH74-181M	180	980	0.42
PDRH74-221M	220	1170	0.36
PDRH74-271M	270	1640	0.34
PDRH74-331M	330	1860	0.32
PDRH74-391M	390	2850	0.29
PDRH74-471M	470	3010	0.26
PDRH74-561M	560	3620	0.23
PDRH74-681M	680	4630	0.22
PDRH74-821M	820	5200	0.20
PDRH74-102M	1000	6000	0.18

Dimensions (unit: inch/mm)



Schematics



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SHIELDED SURFACE MOUNT POWER INDUCTOR

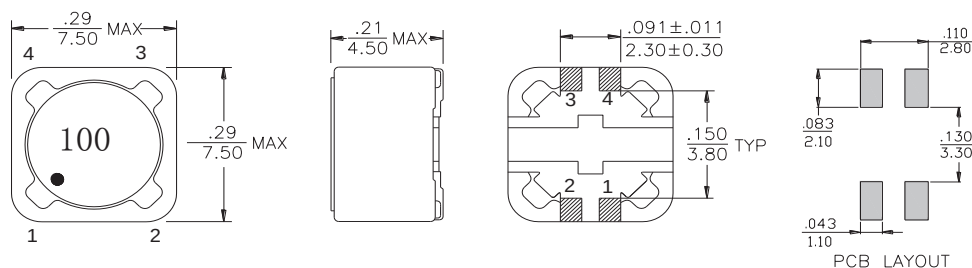
- Large Current and Low DCR
- Magnetically shielded construction
- Recommended solder profile:Reflow
- ROHS Compliance Product
- Operating Temperature range: -40°C TO +85°C



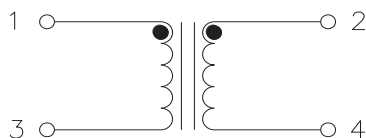
Electrical Specifications @ 25°C

P/N	OCL@1KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	SRF (MHz TYP)	LEAKAGE (μH TYP)	ISAT (A)	IRMS(A)	
						BOTH	ONE
PDRH74B-100M	10	100	22	0.3	2.8	1.24	1.76

Dimensions (unit: inch/mm)



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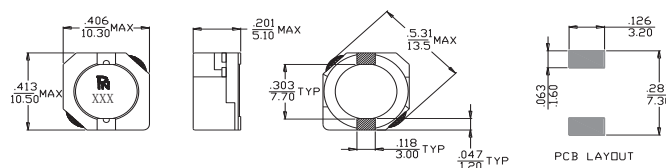
- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 7.5A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +125°C



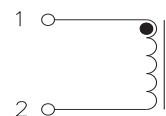
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 30\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH105R-0R8N	0.8	4.3	7.50
PDRH105R-1R5N	1.5	5.8	7.00
PDRH105R-2R2N	2.2	7.2	6.30
PDRH105R-3R3N	3.3	10.4	5.75
PDRH105R-4R7N	4.7	12.3	4.75
PDRH105R-6R8N	6.8	18	4.10
PDRH105R-8R2N	8.2	20	4.00
PDRH105R-100N	10	26	3.75
PDRH105R-150N	15	41	2.65
PDRH105R-220N	22	61	1.80
PDRH105R-330N	33	84	1.65
PDRH105R-470N	47	130	1.50
PDRH105R-560N	56	149	1.45
PDRH105R-680N	68	201	1.20
PDRH105R-820N	82	227	0.95
PDRH105R-101N	100	253	0.90
PDRH105R-151N	150	370	0.80
PDRH105R-221N	220	500	0.70
PDRH105R-331N	330	812	0.50

Dimensions (unit: inch/mm)



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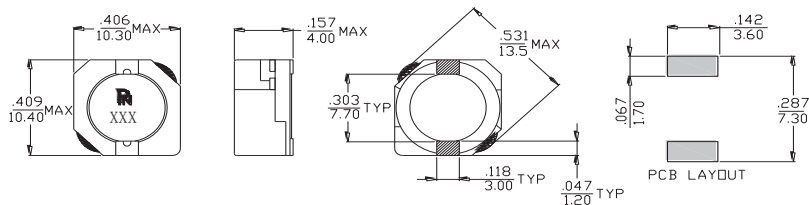
- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 10A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



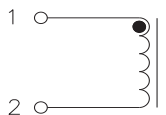
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 30\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH104R-1R5N	1.5	8.1	10.00
PDRH104R-2R5N	2.5	10	7.50
PDRH104R-3R8N	3.8	13	6.00
PDRH104R-5R2N	5.2	22	5.50
PDRH104R-7R0N	7	27	4.80
PDRH104R-100N	10	35	4.40
PDRH104R-150N	15	50	3.60
PDRH104R-220N	22	73	2.90
PDRH104R-330N	33	93	2.30
PDRH104R-470N	47	128	2.10
PDRH104R-680N	68	213	1.50
PDRH104R-101N	100	304	1.35
PDRH104R-151N	150	506	1.15
PDRH104R-221N	220	756	0.92
PDRH104R-331N	330	1090	0.70

Dimensions (unit: inch/mm)



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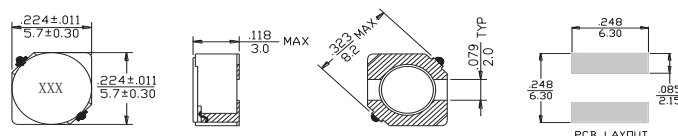
- Large Current and Low DCR
- Magnetically shielded construction
- Current capability up to 2.6A
- Recommended solder profile: Reflow
- ROHS Compliance Product
- Operating Temperature range: -40°C TO +85°C



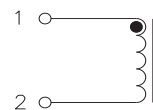
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 30\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH5D28-2R5N	2.5	18	2.60
PDRH5D28-3R0N	3	24	2.40
PDRH5D28-4R2N	4.2	31	2.20
PDRH5D28-5R3N	5.3	38	1.90
PDRH5D28-6R2N	6.2	45	1.80
PDRH5D28-8R2N	8.2	53	1.60
PDRH5D28-100N	10	65	1.30
PDRH5D28-120N	12	76	1.20
PDRH5D28-150N	15	103	1.10
PDRH5D28-180N	18	110	1.00
PDRH5D28-220N	22	122	0.90
PDRH5D28-270N	27	175	0.85
PDRH5D28-330N	33	189	0.75
PDRH5D28-390N	39	212	0.70
PDRH5D28-470N	47	250	0.62
PDRH5D28-560N	56	305	0.58
PDRH5D28-680N	68	355	0.52
PDRH5D28-820N	82	463	0.46
PDRH5D28-101N	100	520	0.42

Dimensions (unit: inch/mm)



Schematics



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SHIELDED SURFACE MOUNT POWER INDUCTOR

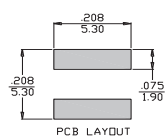
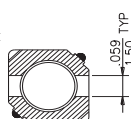
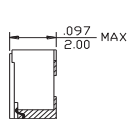
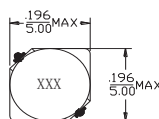
- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 1.72A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



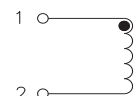
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 30\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH4D18-1R0N	1	45	1.72
PDRH4D18-2R2N	2.2	75	1.32
PDRH4D18-2R7N	2.7	105	1.28
PDRH4D18-3R3N	3.3	110	1.04
PDRH4D18-3R9N	3.9	155	0.88
PDRH4D18-4R7N	4.7	162	0.84
PDRH4D18-5R6N	5.6	170	0.80
PDRH4D18-6R8N	6.8	200	0.76
PDRH4D18-8R2N	8.2	245	0.68
PDRH4D18-100N	10	200	0.61
PDRH4D18-120N	12	210	0.56
PDRH4D18-150N	15	240	0.50
PDRH4D18-180N	18	338	0.48
PDRH4D18-220N	22	397	0.41
PDRH4D18-270N	27	441	0.35
PDRH4D18-330N	33	694	0.32
PDRH4D18-390N	39	709	0.30
PDRH4D18-470N	47	922	0.28
PDRH4D18-560N	56	1080	0.26
PDRH4D18-680N	68	1300	0.24
PDRH4D18-820N	82	1560	0.22
PDRH4D18-101N	100	1730	0.20
PDRH4D18-121N	120	2390	0.18
PDRH4D18-151N	150	2670	0.15
PDRH4D18-181N	180	4000	0.14

Dimensions (unit: inch/mm)



Schematics



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SHIELDED SURFACE MOUNT POWER INDUCTOR

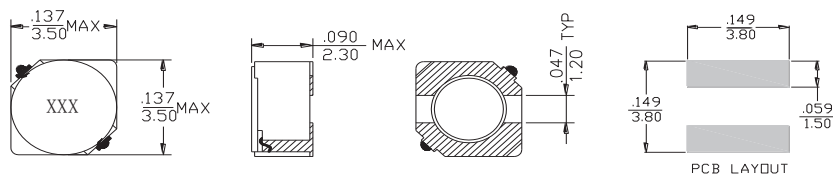
- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 0.85A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -55°C TO +125°C



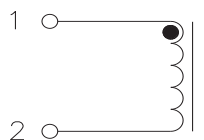
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 30\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH2D18-2R2N	2.2	41	0.85

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

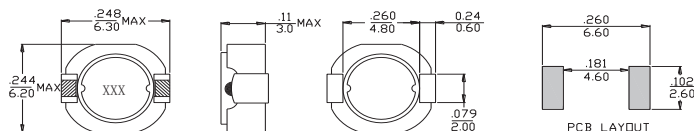
- Large Current and Low DCR
- Magnetically shielded construction
- Current capability up to 3.59A
- Recommended solder profile: Reflow
- ROHS Compliance Product
- Operating Temperature range: -40°C TO +85°C



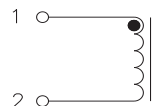
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH63-1R0M	1	17	3.59
PDRH63-1R5M	1.5	21	2.93
PDRH63-2R2M	2.2	24	2.42
PDRH63-3R6M	3.6	33	1.89
PDRH63-4R7M	4.7	42	1.66
PDRH63-6R2M	6.2	50	1.45
PDRH63-100M	10	65	1.14
PDRH63-120M	12	72	1.04
PDRH63-150M	15	96	0.93
PDRH63-180M	18	102	0.85
PDRH63-220M	22	132	0.77
PDRH63-270M	27	160	0.70
PDRH63-330M	33	180	0.63
PDRH63-390M	39	200	0.58
PDRH63-470M	47	250	0.53
PDRH63-560M	56	300	0.48
PDRH63-680M	68	360	0.44
PDRH63-820M	82	450	0.40
PDRH63-101M	100	560	0.36
PDRH63-151M	150	750	0.31

Dimensions (unit: inch/mm)



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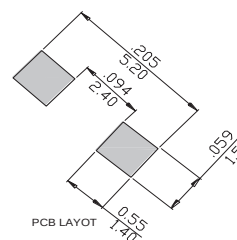
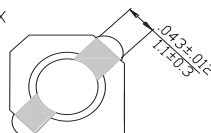
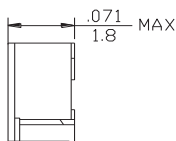
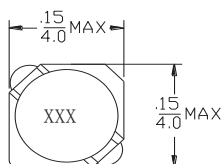
- Large current and low DCR
- Magnetically shielded construction
- Current capability up to 1.55A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +100°C



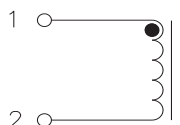
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 30\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDRH4040-1R5N	1.5	52	1.55
PDRH4040-2R2N	2.2	72	1.20
PDRH4040-3R3N	3.3	85	1.10
PDRH4040-4R7N	4.7	105	0.90
PDRH4040-6R8N	6.8	170	0.73
PDRH4040-100N	10	210	0.55
PDRH4040-150N	15	295	0.45
PDRH4040-220N	22	430	0.40
PDRH4040-330N	33	675	0.32

Dimensions (unit: inch/mm)



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SMD Unshielded Drum Core Inductors	
PLQH1210-XXXM	3.50 X 2.70 X 2.20
PDI35-XXXM	3.50 X 3.0 X 2.50
PDI43-XXXM	4.80 X 4.30 X 3.50
PDI54-XXXM	6.1 X 5.50 X 4.80
PDI75-XXXM	8.00 X 7.30 X 5.50
PDI105 -XXXM	10.50 X 9.50 X 5.80

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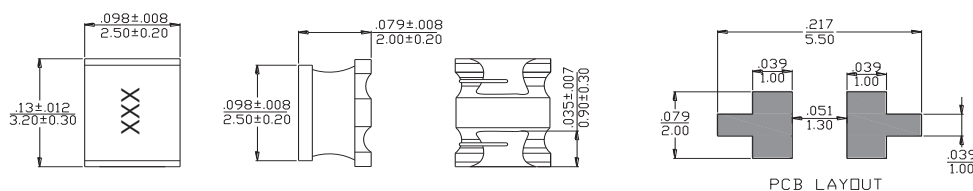
- Large current and low DCR
- Test frequency At 1MHz 0.1Vrms
- Current capability up to 0.6A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



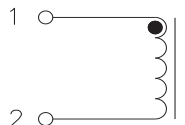
Electrical Specifications @ 25°C

P/N	OCL@1MHz 0.1V (μH)	D.C.R (mΩ MAX)	RTD CURRENT (A MAX)
PLQH1210-2R2M	2.2±20%	169	0.60
PLQH1210-4R7M	4.7±20%	260	0.45
PLQH1210-100K	10±10%	572	0.30
PLQH1210-220K	22±10%	923	0.25
PLQH1210-470K	47±10%	169	0.17
PLQH1210-101K	100±10%	455	0.10
PLQH1210-221K	220±10%	1092	0.07
PLQH1210-331K	330±10%	1300	0.06
PLQH1210-391K	390±10%	2210	0.06
PLQH1210-471K	470±10%	2470	0.06
PLQH1210-561K	560±10%	2860	0.06

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

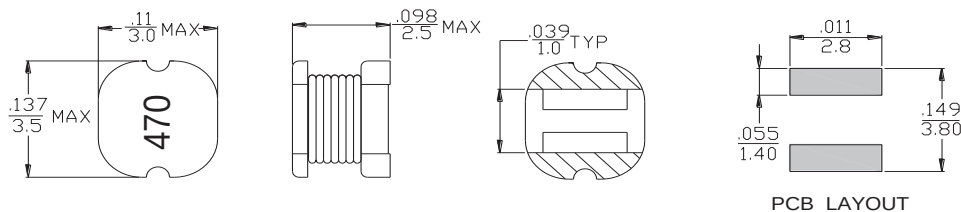
- Large current and low DCR
- DC/DC-converter
- Current capability up to 0.36A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +125°C



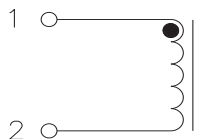
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 10\%$)	D.C.R (Ω MAX)	RATED CURRENT (A MAX)
PDI35-470K	47	2.44	0.36

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

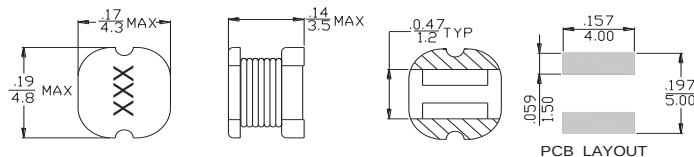
- Large current and low DCR
- DC/DC-converter
- Current capability up to 2.56A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



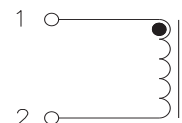
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V (μH)	D.C.R (mΩ MAX)	RTED CURRENT (A MAX)
PDI43-1R0M	1.0±20%	48.7	2.56
PDI43-1R4M	1.4±20%	56.2	2.52
PDI43-1R8M	1.83±20%	63.7	1.96
PDI43-2R2M	2.2±20%	71.2	1.75
PDI43-2R7M	2.7±20%	78.7	1.58
PDI43-3R3M	3.3±20%	86.2	1.44
PDI43-3R9M	3.9±20%	93.7	1.33
PDI43-4R7M	4.7±20%	109	1.15
PDI43-5R6M	5.6±20%	126	0.99
PDI43-6R6M	6.8±20%	132	0.95
PDI43-8R2M	8.2±20%	146	0.84
PDI43-100M	10±20%	182	1.04
PDI43-120M	12±20%	210	0.97
PDI43-150M	15±20%	235	0.85
PDI43-180M	18±20%	338	0.74
PDI43-220M	22±20%	378	0.68
PDI43-270M	27±20%	522	0.62
PDI43-330K	33±10%	540	0.56
PDI43-390K	39±10%	587	0.52
PDI43-470K	47±10%	844	0.44
PDI43-560K	56±10%	937	0.42
PDI43-680K	68±10%	1117	0.37

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

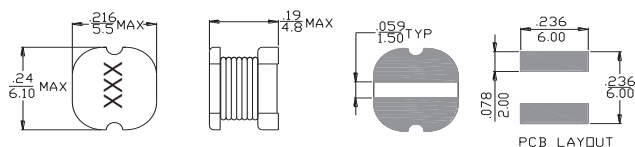
- Large current and low DCR
- DC/DC-converter
- Current capability up to 1.44A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +125°C



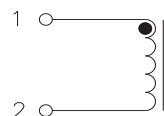
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V (μH)	TOLERANCE	D.C.R (Ω MAX)	RATED CURRENT (A MAX)
PDI54-100M	10	± 20%	0.10	1.44
PDI54-120M	12	± 20%	0.12	1.40
PDI54-150M	15	± 20%	0.14	1.30
PDI54-180M	18	± 20%	0.15	1.23
PDI54-220M	22	± 20%	0.18	1.11
PDI54-270M	27	± 20%	0.20	0.97
PDI54-330L	33	± 15%	0.23	0.88
PDI54-390L	39	± 15%	0.32	0.80
PDI54-470L	47	± 15%	0.37	0.72
PDI54-560K	56	± 10%	0.42	0.68
PDI54-680K	68	± 10%	0.46	0.61
PDI54-820K	82	± 10%	0.60	0.58
PDI54-101K	100	± 10%	0.70	0.52
PDI54-121K	120	± 10%	0.93	0.48
PDI54-151K	150	± 10%	1.10	0.40
PDI54-181K	180	± 10%	1.38	0.38
PDI54-221K	220	± 10%	1.57	0.35

Dimensions (unit: inch/mm)



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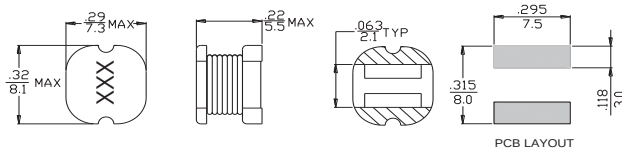
- Large current and low DCR
- DC/DC-converter
- Current capability up to 4.03A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +125°C



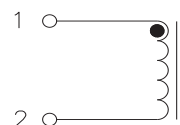
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V (μ H $\pm$ 20%)	D.C.R (m Ω MAX)	RTED CURRENT (A MAX)
PDI75-2R7M	2.7	20	4.03
PDI75-100M	10	70	2.30
PDI75-120M	12	80	2.00
PDI75-150M	15	90	1.80
PDI75-180M	18	100	1.60
PDI75-220M	22	110	1.50
PDI75-270M	27	120	1.30
PDI75-330M	33	130	1.20
PDI75-390M	39	160	1.10
PDI75-470M	47	180	1.10
PDI75-560M	56	240	0.94
PDI75-680M	68	280	0.85
PDI75-820M	82	370	0.78
PDI75-101M	100	430	0.72
PDI75-121M	120	470	0.66
PDI75-151M	150	640	0.58
PDI75-181M	180	710	0.51
PDI75-221M	220	960	0.49
PDI75-271M	270	1110	0.42
PDI75-331M	330	1260	0.40
PDI75-391M	390	1770	0.36
PDI75-471M	470	1960	0.34

Dimensions (unit: inch/mm)



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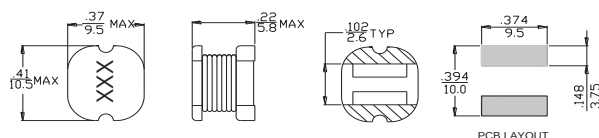
- Large current and low DCR
- DC/DC-converter
- Current capability up to 2.6A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



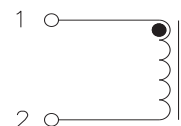
Electrical Specifications @ 25°C

P/N	OCL@1KHz 0.1V	D.C.R (mΩ MAX)	RTED CURRENT (A MAX)
PDI105-100M	10μH ± 20%	60	2.60
PDI105-120M	12μH ± 20%	70	2.45
PDI105-150M	15μH ± 20%	80	2.27
PDI105-180M	18μH ± 20%	90	2.15
PDI105-220M	22μH ± 20%	100	1.95
PDI105-270M	27μH ± 20%	110	1.76
PDI105-330M	33μH ± 20%	120	1.50
PDI105-390M	39μH ± 20%	140	1.37
PDI105-470K	47μH ± 10%	170	1.28
PDI105-560K	56μH ± 10%	190	1.17
PDI105-680K	68μH ± 10%	220	1.11
PDI105-820K	82μH ± 10%	250	1.00
PDI105-101K	100μH ± 10%	350	0.97
PDI105-121K	120μH ± 10%	400	0.89
PDI105-151K	150μH ± 10%	470	0.78
PDI105-181K	180μH ± 10%	630	0.72
PDI105-221K	220μH ± 10%	730	0.66
PDI105-271K	270μH ± 10%	970	0.57
PDI105-331K	330μH ± 10%	1150	0.52
PDI105-391K	390μH ± 10%	1300	0.48
PDI105-471K	470μH ± 10%	1480	0.42
PDI105-561K	560μH ± 10%	1900	0.33
PDI105-681K	680μH ± 10%	2250	0.28
PDI105-821K	820μH ± 10%	2550	0.24

Dimensions (unit: inch/mm)



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SELF-Leaded Unshielded D. C. Inductors	
PDG1608-XXXM	6.60 X 4.45 X 2.92
PDG1813-XXXM	9.00 X 6.90 X 5.0
PDG3308-XXXM	12.95 X 9.40 X 3.00
PDG3316-XXXL	12.95 X 9.40 X 5.46
PDG5022-XXXM	18.54 X 15.24 X 7.11

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SMT POWER INDUCTOR

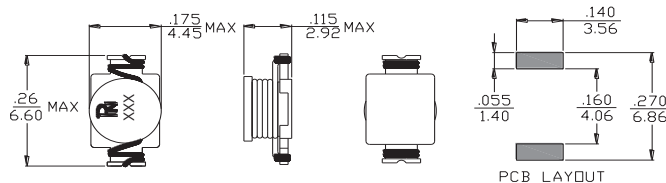
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 2.9A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



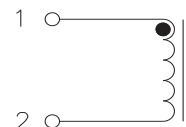
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω)	RATED CURRENT (A MAX)
PDG1608-1R0M	1	50	2.90
PDG1608-1R5M	1.5	50	2.80
PDG1608-2R2M	2.2	70	2.40
PDG1608-3R3M	3.3	80	2.00
PDG1608-4R7M	4.7	90	1.50
PDG1608-6R8M	6.8	130	1.40
PDG1608-101M	10	160	1.10
PDG1608-151M	15	230	1.20
PDG1608-221M	22	370	0.80
PDG1608-331M	33	510	0.60
PDG1608-471M	47	640	0.50
PDG1608-681M	68	860	0.40
PDG1608-102M	100	1270	0.30
PDG1608-152M	150	2000	0.25
PDG1608-222M	220	3110	0.20
PDG1608-332M	330	3800	0.16
PDG1608-472M	470	5060	0.15
PDG1608-682M	680	9200	0.12
PDG1608-103M	1000	13800	0.07

Dimensions (unit: inch/mm)



Schematics



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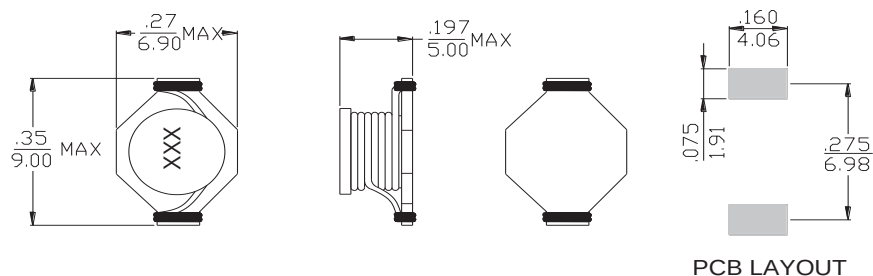
SMT POWER INDUCTOR

- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 1.9A
- Recommended solder profile: Reflow
- RoHS compliant
- Storage temperature range: -40°C TO +125°C
- Operating temperature range: -40°C TO +125°C

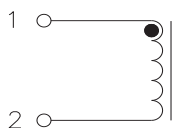


Electrical Specifications @ 25°C				
P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	ISAT (A MAX)	IRMS (A MAX)
PDG1813-100M	10	110	1.9	1.5

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

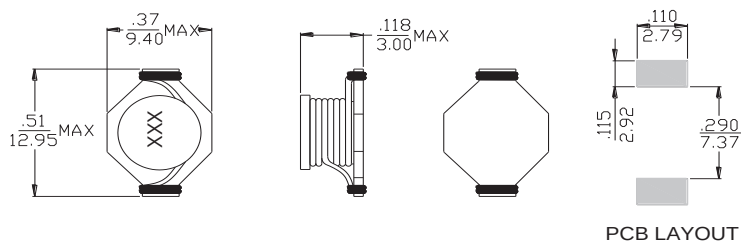
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 2.0A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



Electrical Specifications @ 25°C

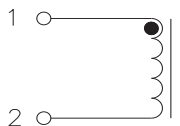
P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RTD CURRENT (A MAX)
PDG3308-100M	10	110	2.00
PDG3308-150M	15	150	1.50
PDG3308-220M	22	230	1.30
PDG3308-330M	33	300	1.10
PDG3308-470M	47	390	0.80
PDG3308-680M	68	660	0.70
PDG3308-101M	100	840	0.60
PDG3308-151M	150	1200	0.50
PDG3308-221M	220	1900	0.40
PDG3308-331M	330	2700	0.30
PDG3308-471M	470	4000	0.20
PDG3308-681M	680	5300	0.10
PDG3308-102M	1000	8400	0.05

Dimensions (unit: inch/mm)



PCB LAYOUT

Schematics



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SMT POWER INDUCTOR

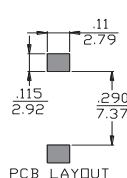
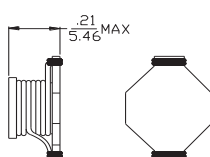
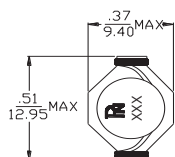
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 6.8A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



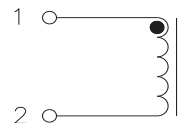
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 15\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDG3316-1R0L	1	9	6.8
PDG3316-1R5L	1.5	10	6.4
PDG3316-2R2L	2.2	12	6.1
PDG3316-3R3L	3.3	15	5.4
PDG3316-4R7L	4.7	18	4.8
PDG3316-6R8L	6.8	22	4.4
PDG3316-101L	10	38	3.9
PDG3316-151L	15	46	3.1
PDG3316-221L	22	58	2.7
PDG3316-251L	25	80	2.5
PDG3316-331L	33	100	2.1
PDG3316-471L	47	140	1.8
PDG3316-681L	68	180	1.5
PDG3316-102L	100	260	1.3
PDG3316-152L	150	380	1.0
PDG3316-222L	220	610	0.8
PDG3316-332L	330	930	0.6
PDG3316-472L	470	1270	0.5
PDG3316-682L	680	1840	0.4
PDG3316-103L	1000	2880	0.3

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

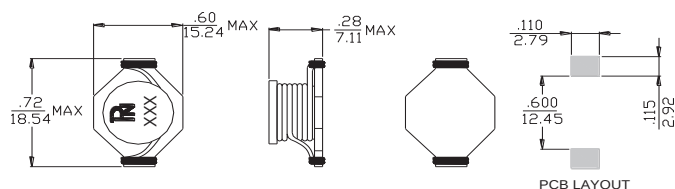
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 8.6A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



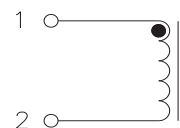
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	I _{rms} (A MAX)
PDG5022-1R0M	1	9	8.60
PDG5022-2R2M	2.2	14	7.10
PDG5022-3R3M	3.3	15	6.20
PDG5022-5R6M	5.6	20	5.30
PDG5022-100M	10	31	4.30
PDG5022-150M	15	36	4.00
PDG5022-220M	22	47	3.50
PDG5022-330M	33	66	3.00
PDG5022-470M	47	86	2.60
PDG5022-680M	68	130	2.30
PDG5022-101M	100	190	1.80
PDG5022-151M	150	250	1.50
PDG5022-221M	220	380	1.20
PDG5022-331M	330	560	1.00
PDG5022-471M	470	850	0.82
PDG5022-471M	470	850	0.82
PDG5022-681M	680	1100	0.72
PDG5022-102M	1000	1800	0.56

Dimensions (unit: inch/mm)



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SMT Power Inductors	
PDB0402-XXXM	6.60 X 4.45 X 2.92
PDB3316-XXXM	12.95 X 9.40 x 5.21
PDB3340-XXXM	12.95 X 9.40 x 11.43
PDB1005-XXXM	13.0 x 10.50 X 5.5
PDB5022-XXXM	18.50 X 15.24 X 7.11
PDB1306-XXXM	18.70 X 15.30 x 7.50

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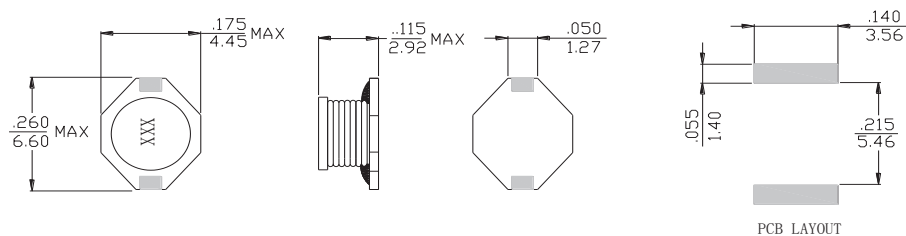
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SMT POWER INDUCTOR

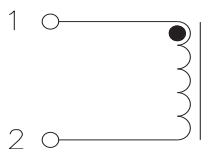
- Large current and low DCR
- DC/DC-converter
- Current capability up to 1.2A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



Electrical Specifications @ 25°C			
P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (Ω MAX)	RATED CURRENT (A MAX)
PDB0402-6R8M	6.80	0.13	1.20



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SMT POWER INDUCTOR

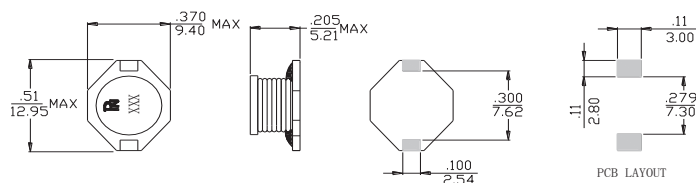
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 6.8A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



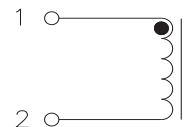
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDB3316-1R0M	1	9	6.8
PDB3316-1R5M	1.5	10	6.4
PDB3316-2R2M	2.2	12	6.1
PDB3316-3R3M	3.3	15	5.4
PDB3316-4R7M	4.7	18	4.8
PDB3316-6R8M	6.8	27	4.4
PDB3316-100M	10	38	3.9
PDB3316-150M	15	46	3.1
PDB3316-220M	22	85	2.7
PDB3316-330M	33	100	2.1
PDB3316-470M	47	140	1.8
PDB3316-680M	68	200	1.5
PDB3316-101M	100	280	1.3
PDB3316-151M	150	400	1
PDB3316-221M	220	610	0.8
PDB3316-331M	330	1020	0.6
PDB3316-471M	470	1270	0.5
PDB3316-681M	680	2020	0.4
PDB3316-102M	1000	3000	0.3
PDB3316-152M	1500	4490	0.27
PDB3316-332M	3300	8970	0.17

Dimensions (unit: inch/mm)



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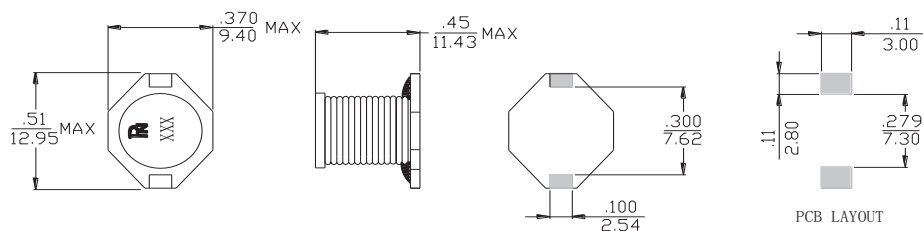
SMT POWER INDUCTOR

- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 3.5A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C

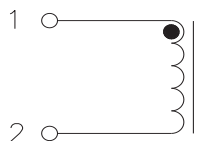


Electrical Specifications @ 25°C				
P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	ISAT (A MAX)	IRMS (A MAX)
PDB3340-100M	10	40	8	3.5
PDB3340-220M	22	54	5.5	2.5

Dimensions (unit: inch/mm)



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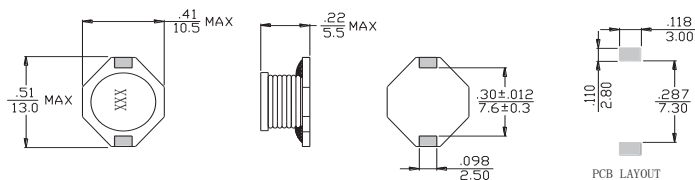
SMT POWER INDUCTOR

- Large current and low DCR
- DC/DC-converter
- Current capability up to 8.5A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C

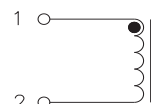


Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V (μH)	D.C.R (Ω MAX)	RATED CURRENT (A MAX)
PDB1005-R68M	0.68±20%	0.006	8.50
PDB1005-1R0M	1±20%	0.007	7.50
PDB1005-1R5M	1.5±20%	0.009	6.50
PDB1005-2R2M	2.2±20%	0.012	6.10
PDB1005-2R5M	2.5±20%	0.012	5.50
PDB1005-3R3M	3.3±20%	0.015	5.00
PDB1005-4R7M	4.7±20%	0.019	4.50
PDB1005-6R8M	6.8±20%	0.03	3.40
PDB1005-100M	10±20%	0.05	2.90
PDB1005-150M	15±20%	0.06	2.50
PDB1005-220M	22±20%	0.1	2.00
PDB1005-330K	33±10%	0.12	1.80
PDB1005-470K	47±10%	0.19	1.40
PDB1005-680K	68±10%	0.24	1.20
PDB1005-101K	100±10%	0.33	1.00
PDB1005-151K	150±10%	0.59	0.80
PDB1005-221K	220±10%	0.78	0.70
PDB1005-331K	330±10%	1.15	0.55
PDB1005-471K	470±10%	1.7	0.45
PDB1005-681K	680±10%	2.6	0.35
PDB1005-102K	1000±10%	3.9	0.30
PDB1005-152K	1500±10%	6.3	0.25
PDB1005-222K	2200±10%	8.2	0.20
PDB1005-332K	3300±10%	14	0.16
PDB1005-472K	4700±10%	17	0.15
PDB1005-682K	6800±10%	30	0.11
PDB1005-822K	8200±10%	34	0.11
PDB1005-103K	10000±10%	39	0.10



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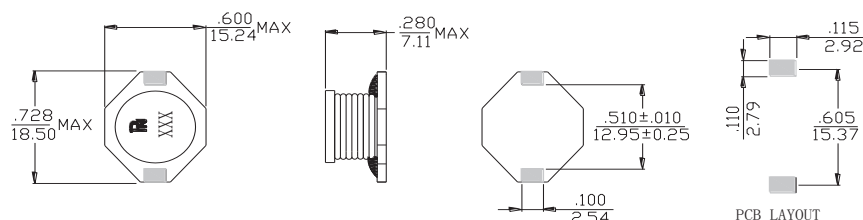
- Large current and low DCR
- DC/DC-converter
- Current capability up to 8.6A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



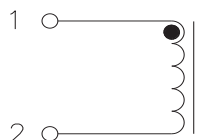
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDB5022-1R0M	1	9	8.6
PDB5022-1R5M	1.5	12	7.5
PDB5022-2R2M	2.2	14	7.1
PDB5022-3R3M	3.3	18	6.2
PDB5022-4R7M	4.7	19	5.8
PDB5022-5R6M	5.6	20	5.3
PDB5022-8R2M	8.2	25	4.7
PDB5022-100M	10	31	4.3
PDB5022-150M	15	36	4
PDB5022-220M	22	47	3.5
PDB5022-330M	33	66	3
PDB5022-470M	47	86	2.6
PDB5022-680M	68	130	2.3
PDB5022-101M	100	190	1.8
PDB5022-151M	150	250	1.5
PDB5022-221M	220	380	1.2
PDB5022-331M	330	560	1
PDB5022-471M	470	850	0.82
PDB5022-681M	680	1100	0.72
PDB5022-102M	1000	1800	0.56

Dimensions (unit: inch/mm)



Schematics



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SMT POWER INDUCTOR

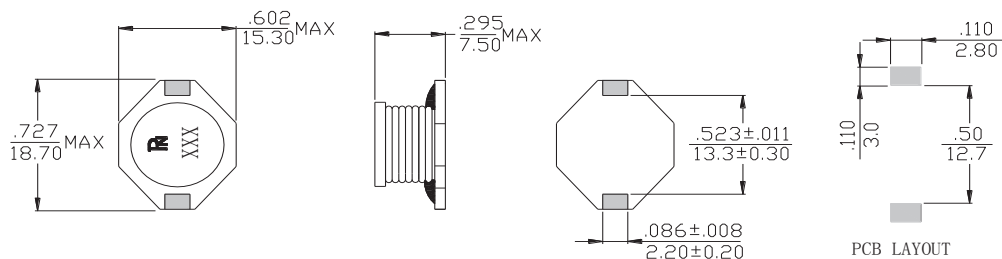
- Large current and low DCR
- DC/DC-converter
- Current capability up to 2.6A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



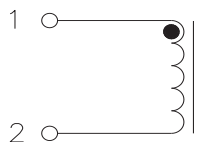
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDB1306-470M	47	86	2.60
PDB1306-680M	68	130	2.30
PDB1306-221M	220	380	1.20

Dimensions (unit: inch/mm)



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<http://www.palnova.com>

Northern California Office:

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Milpitas, California 95035 USA
Tel: +1-408-855-8866 Fax: +1-408-855-8868

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Through-hole Unshielded Drum Core Inductors	
PPK1010-XXXM	10.50 DIA. X 10.50 HT.
PPK-0810-102K	9.00 DIA X 10.50 HT.
PPK0608-XXXK	8.00 DIA X 12.0 HT.
PPK0605-XXXK	6.50 DIA X 5.50 HT.
PPK0406-XXXK	6.50 DIA X 9.0 HT.

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FILTER INDUCTOR



- Signal filtering
- Current capability up to 5.3A
- Recommended solder profile: Wave soldering
- ROHS compliant
- Operating temperature range: 0°C TO +100°C



Electrical Specifications @ 25°C

P/N	OCL@1KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RTED CURRENT (A MAX)
PPK1010-100M	10	22	5.30
PPK1010-120M	12	23	4.90
PPK1010-150M	15	26	4.40
PPK1010-180M	18	33	4.00
PPK1010-220M	22	37	3.60
PPK1010-270M	27	48	3.30
PPK1010-330M	33	55	2.90
PPK1010-390M	39	73	2.70
PPK1010-470M	47	83	2.50
PPK1010-560M	56	92	2.30
PPK1010-680M	68	120	2.10
PPK1010-820M	82	140	1.90
PPK1010-101M	100	160	1.70
PPK1010-121M	120	200	1.50
PPK1010-151M	150	230	1.40
PPK1010-181M	180	310	1.30
PPK1010-221M	220	340	1.10
PPK1010-271M	270	400	1.00
PPK1010-331M	330	520	0.93
PPK1010-391M	390	650	0.86
PPK1010-471M	470	710	0.78
PPK1010-561M	560	1000	0.71
PPK1010-681M	680	1100	0.65
PPK1010-821M	820	1300	0.59
PPK1010-102M	1000	1700	0.53

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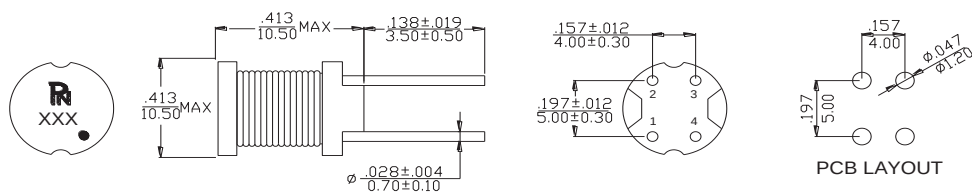
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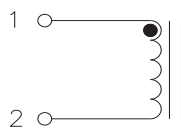
FILTER INDUCTOR

Dimensions (unit: inch/mm)

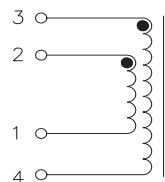


Schematics

39 μ H TO 1 MH



10 μ H TO 33 μ H



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FILTER INDUCTOR

- Power supply filter
- Signal filtering
- Current capability up to 0.25A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



Electrical Specifications @ 25°C

P/N	OCL@1KHz 0.1V ($\mu\text{H} \pm 10\%$)	D.C.R (Ω MAX)	RATED CURRENT	CURRENT(REFERENCE VALUE)
PPK0810-102K	1000	4	0.18A @ $\Delta T=20^\circ\text{C}$	0.25A @ $\Delta T=40^\circ\text{C}$. L CHANGE RATE-10%

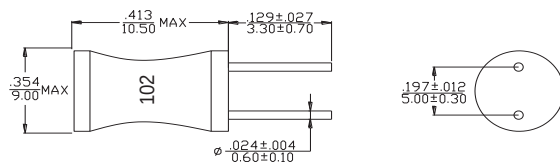
Additional Electrical Specifications

P/N	FREQUENCY OPERATING RANGE	DIELECTRIC STRENGTH	MAXIMUM CONTINUOUS PEAK PULSE VOLTAGE
PPK0810-102K	64KHz TO 68KHz (NOMINAL 66KHz)	500VDC FROM LEADS THRU CASE INSULATION	500V@PULSE REP.RATE OF 50TO 140KHz

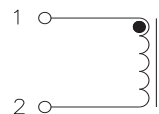
REQUIREMENTS:

- PARTS SHALL BE SOLDERABLE PER MIL-STD-202;
- PARTS SHALL BE MARKED WITH MANUFACTURER'S IDENTIFICATION, PART NUMBER, AND DATE CODE.
- MARKING AND PACKAGING SHALL COMPLY WITH MPK0810-102K, THE SHIPPING PACKAGE SHALL BE MARKED WITH MANUFACTURER'S NAME, TYPE OR PART NUMBER, LABEL OR PRINTING THAT IS READILY VISIBLE NOTIFYING, DATE CODE AND ROHS COMPLIANCY.
- INSULATION SYSTEM SHALL BE UL CLASS B, RATED TO +130°C, MATERIAL SHALL MEET FLAMMABILITY REQUIREMENT UL 94V-0.
- CORE TYPE SHALL BE DOG BONE FERRITE
- PARTS MUST BE QUALIFIED IN THE APPLICATION TO DETERMINE SUITABILITY FOR PERFORMANCE, TEMPERATURE RISE, SEVERE ENVIRONMENT EXPOSURE, AND OTHER FUNCTIONAL REQUIREMENTS.
- PRODUCTION PARTS SHALL BE THE SAME AS QUALIFICATION PARTS PALNOVA CORPORATION SHALL APPROVE ANY CHANGES IN WRITING PRIOR TO IMPLEMENTATION.

Dimensions (unit: inch/mm)



Schematics



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FILTER INDUCTOR

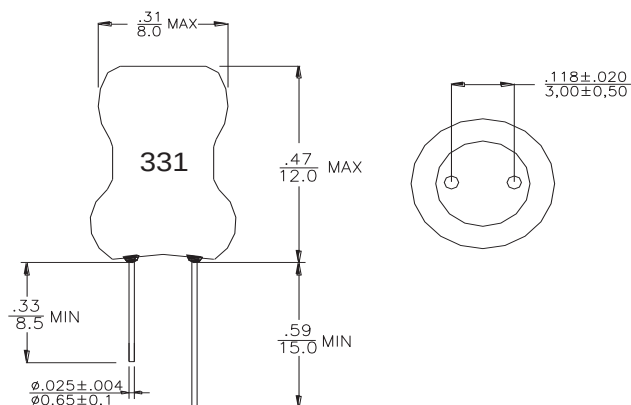
- Power supply filter
- Signal filtering
- Current capability up to 0.32
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



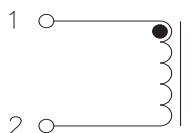
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 10\%$)	D.C.R (Ω MAX)	Isat(A) 10%L DROP	Isat(A) 15%L DROP	Isat(A) 20%L DROP	Irms A
PPK0608-331K	330.00	0.83	0.65	0.73	0.77	0.32

Dimensions (unit: inch/mm)



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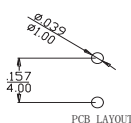
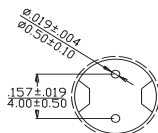
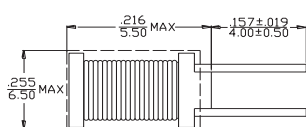
- Power supply filter
- Signal filtering
- Current capability up to 0.9A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +85°C



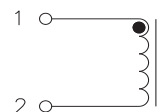
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RTED CURRENT (A MAX)
PPK0605-220M	22	180	0.90
PPK0605-270M	27	210	0.81
PPK0605-330M	33	270	0.74
PPK0605-390M	39	290	0.68
PPK0605-470M	47	340	0.62
PPK0605-560M	56	420	0.57
PPK0605-680M	68	480	0.51
PPK0605-820M	82	550	0.47
PPK0605-101M	100	680	0.42
PPK0605-121M	120	770	0.39
PPK0605-151M	150	950	0.35
PPK0605-181M	180	1150	0.32
PPK0605-221M	220	1300	0.29
PPK0605-271M	270	1550	0.26
PPK0605-331M	330	2180	0.23
PPK0605-391M	390	2470	0.21
PPK0605-471M	470	2920	0.20
PPK0605-561M	560	3970	0.18
PPK0605-681M	680	4570	0.16
PPK0605-821M	820	5280	0.15
PPK0605-102M	1000	7060	0.13

Dimensions (unit: inch/mm)



Schematics



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FILTER INDUCTOR

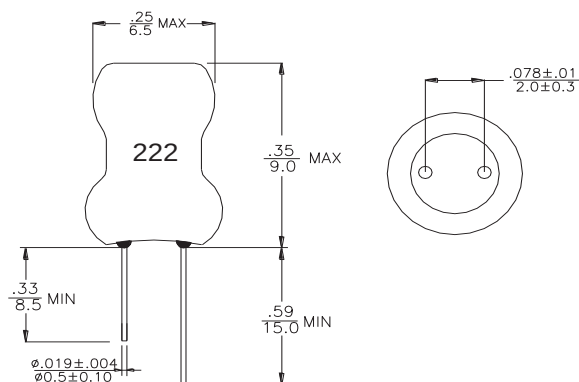
- Power supply filter
- Signal filtering
- Current capability up to 0.04
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



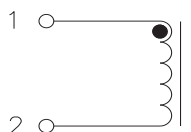
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 10\%$)	D.C.R (Ω MAX)	Isat(A) 10%L DROP	Isat(A) 15%L DROP	Isat(A) 20%L DROP	Irms A
PPK0406-222K	2200.00	12.3	0.13	0.14	0.15	0.04

Dimensions (unit: inch/mm)



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SMT Power Inductor, Magnetic Shielding	
PENR2512G-XXXN	2.7 X 2.2 X 1.2
PENR4018G-XXXN	4.2 X 4.2 X 1.8
PENR5040G-XXXN	5.2 X 5.2 X 4.0
PENR6045G-XXXN	6.0 X 6.0 X 4.5
PENR8040G-XXXN	8.0 X 8.0 X 4.2

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SMT POWER INDUCTOR

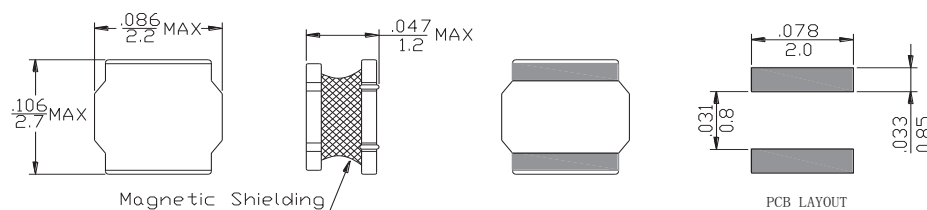
- Large current and low DCR
- DC/DC-converter
- Current capability up to 2.7A
- Recommended reflow soldering, PEAK 265°C @ 5sec
- RoHS compliant
- Operating temperature range: -25°C TO +125°C



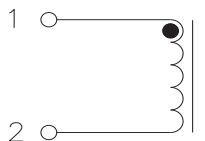
Electrical Specifications @ 25°C

P/N	OCL@100KHz 1.0V (μ H $\pm$ 30%)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PENR2512G-1R0N	1.0	59	2.7

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

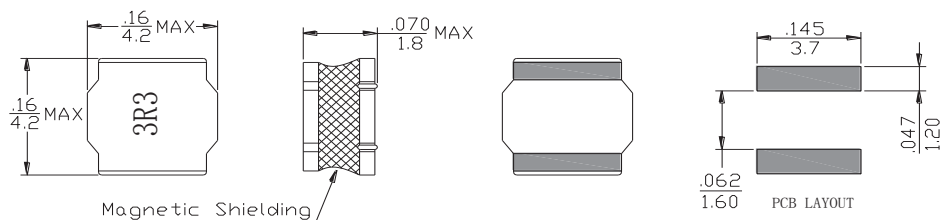
- Large current and low DCR
- DC/DC-converter
- Current capability up to 2.0A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -25°C TO +125°C



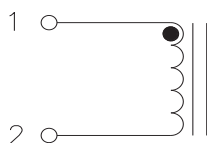
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PENR4018G-3R3N	3.3	66	2.0

Dimensions (unit: inch/mm)



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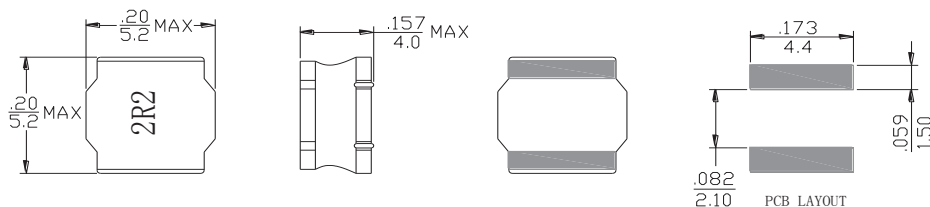
- Large current and low DCR
- DC/DC-converter
- Current capability up to 6.50A
- Recommended solder profile:Reflow
- RoHS compliant
- Operating temperature range: -25°C TO +120°C



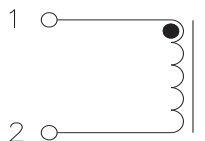
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V (μ H $\pm$ 30%)	D.C.R (m Ω MAX)	ISAT A	IRMS A
PENR5040G-2R2N	2.2	22.1	6.50	3.95

Dimensions (unit: inch/mm)



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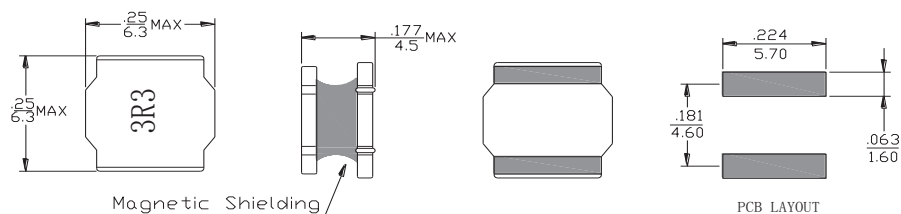
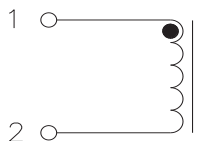
<http://www.palnova.com>

SMT POWER INDUCTOR

- Large current and low DCR
- DC/DC-converter
- Current capability up to 3.7A
- Recommended reflow soldering, PEAK 265°C @ 5sec
- RoHS compliant
- Operating temperature range: -25°C TO +105°C

**Electrical Specifications @ 25°C**

P/N	OCL@100KHz 1.0V	D.C.R	Isat	Irms
	($\mu\text{H} \pm 30\%$)	(Ω MAX)	(A MAX)	(A MAX)
PENR6045G-3R3N	3.3	0.027	4.7	3.7

Dimensions (unit: inch/mm)**Schematics****Southern California Office:**

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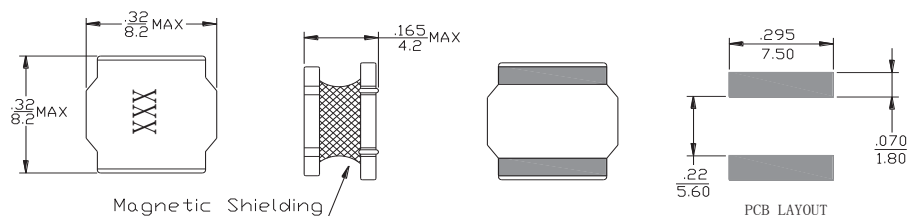
- Large current and low DCR
- DC/DC-converter
- Current capability up to 11.0A
- Recommended reflow soldering, PEAK 265°C @ 5sec
- RoHS compliant
- Operating temperature range: -25°C TO +125°C



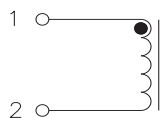
Electrical Specifications @ 25°C

P/N	OCL@100KHz 1.0V (μH)	TOLERANCE	D.C.R (mΩ MAX)	RATED CURRENT (A MAX)
PENR8040G-0R9N	0.9	±30%	7.2	11.0
PENR8040G-1R4N	1.4	±30%	8.4	9.0
PENR8040G-2R0N	2.0	±30%	10.8	7.4
PENR8040G-3R6N	3.6	±30%	18.0	5.3
PENR8040G-4R7N	4.7	±30%	21.6	4.7
PENR8040G-6R8N	6.8	±30%	30.0	4.0
PENR8040G-100M	10.0	±20%	40.8	3.4
PENR8040G-150M	15.0	±20%	60.0	2.7
PENR8040G-220M	22.0	±20%	79.2	2.2
PENR8040G-330M	33.0	±20%	120.0	1.9
PENR8040G-470M	47.0	±20%	180.0	1.5
PENR8040G-680M	68.0	±20%	276.0	1.2
PENR8040G-101M	100.0	±20%	348.0	1.0

Dimensions (unit: inch/mm)



Schematics



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SMD High Current Ferrite Power Inductors	
PDE1005-XXXM	10.00 X 10.00 X 5.60
PDE1205-XXXM	12.50 x 12.50 X 4.00/5.00
PDE1250-XXXM	12.50 X 12.50 X 5.60
PDE1206-XXXM	12.50 X 12.50 X 6.00
PDE1450-XXXM	14.50 x 14.50 X 6.00
PER2814/2817-XXXK	19.3 X 27.9 x 14.22/17.0

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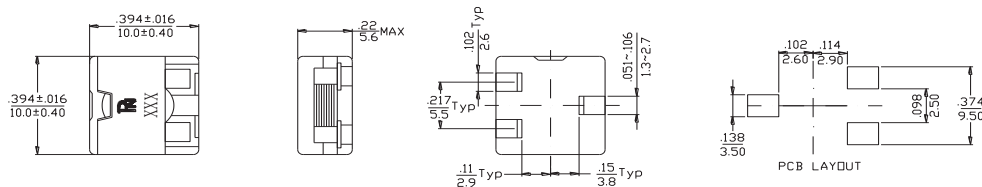
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 19.0A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



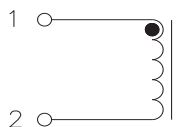
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V (μH)	OCL Tolerance	D.C.R (mΩ MAX)	RATED CURRENT (A)
PDE1005-R36M	0.36	±30%	1.7	19
PDE1005-R80M	0.8	±20%	2.4	18
PDE1005-1R4M	1.4	±20%	4.1	13
PDE1005-2R2M	2.2	±20%	5.3	11
PDE1005-3R2M	3.2	±20%	7.5	9
PDE1005-4R3M	4.3	±20%	6.8	7.8
PDE1005-5R7M	5.7	±20%	5.8	7.4
PDE1005-7R2M	7.2	±20%	5.3	6.2
PDE1005-8R8M	8.8	±20%	4.8	4.9

Dimensions (unit: inch/mm)



Schematics



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SMT POWER INDUCTOR

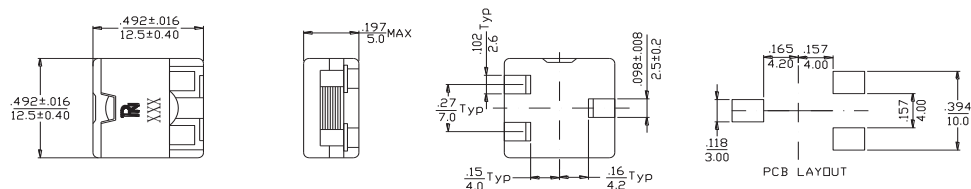
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 25.0A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



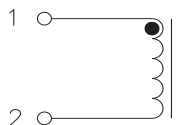
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A)
PDE1205-R33M	0.33	0.8	25
PDE1205-R60M	0.6	1.75	23
PDE1205-1R0M	1	3.6	18
PDE1205-2R2M	2.2	7.5	14
PDE1205-3R3M	3.3	10.4	12
PDE1205-4R7M	4.7	12.4	9.3
PDE1205-5R5M	5.5	12.4	8.2

Dimensions (unit: inch/mm)



Schematics



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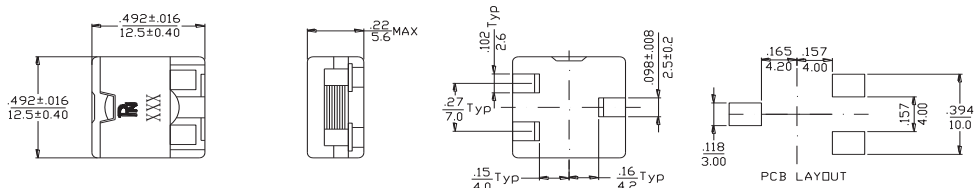
SMT POWER INDUCTOR

- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 14.0A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C

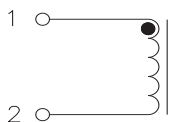


Electrical Specifications @ 25°C			
P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A MAX)
PDE1250-1R5M	1.5	2.5	14
PDE1250-2R5M	2.5	3.4	10
PDE1250-4R0M	4	5.4	8.3
PDE1250-6R0M	6	8	6.7
PDE1250-8R2M	8.2	11.4	5.8

Dimensions (unit: inch/mm)



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SMT POWER INDUCTOR

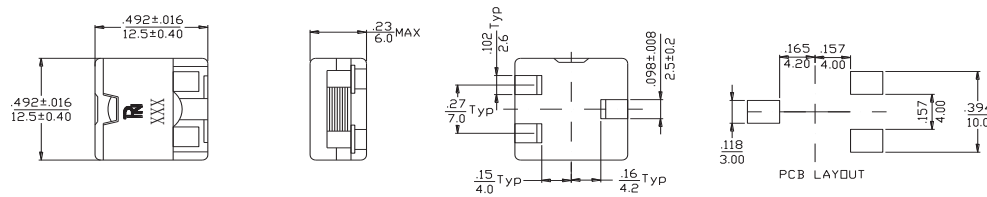
- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 25.0A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



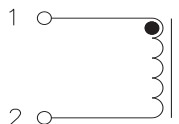
Electrical Specifications @ 25°C

P/N	OCL@100KHz 0.1V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	RATED CURRENT (A)
PDE1206-R33M	0.33	0.8	25.00
PDE1206-R60M	0.6	0.8	25.00
PDE1206-1R0M	1	1.75	15.00
PDE1206-2R1M	2.1	3.6	12.00
PDE1206-3R1M	3.1	7.5	9.00
PDE1206-4R2M	4.2	7.5	8.50
PDE1206-4R6M	4.6	10.4	8.00
PDE1206-5R5M	5.5	12.4	7.50

Dimensions (unit: inch/mm)



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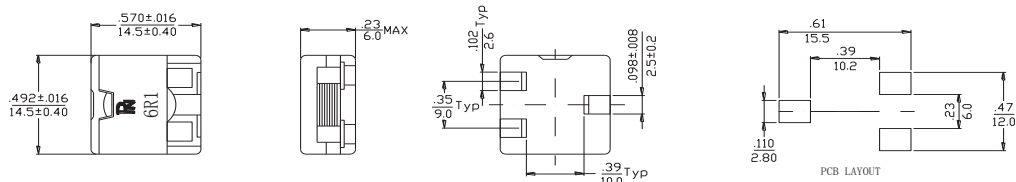
SMT POWER INDUCTOR

- Large current and low DCR
- Low-loss ferrite core
- Current capability up to 10.4A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +105°C

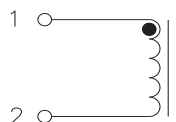


Electrical Specifications @ 25°C				
P/N	OCL@100KHz 1.0V ($\mu\text{H} \pm 20\%$)	D.C.R (m Ω MAX)	Isat (A MAX)	Irms (A)
PDE1450-6R1M	6.1	10.8	10.4	9.5

Dimensions (unit: inch/mm)



Schematics



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SHIELDED POWER INDUCTOR

- Large Current and Low DCR
- Magnetically shielded construction
- Current capability up to 84.8A
- Recommended solder profile:Reflow
- ROHS Compliance Product
- Operating Temperature range: -40 °C TO +85 °C

Electrical Specifications @ 25 °C

P/N	OCL@100KHz 0.1V (?H±10%)	D.C.R (m? MAX)	ISAT(A) drop			IRMS(A) rlse	
			10%	20%	30%	20°C	40°C
PER2814H-1R5K	1.5	1.62	100>	100>	100>	20.0	30.0
PER2814H-2R2K	2.2	2.01	100>	100>	100>	20.0	30.0
PER2814L-2R2K	2.2	1.62	82.0	84.0	84.8	20.0	30.0
PER2817H-3R3K	3.3	2.82	91.0	92.5	93.6	20.0	28.0
PER2814H-3R3K	3.3	2.01	62.0	66.9	68.4	20.0	30.0
PER2814L-3R3K	3.3	1.62	48.0	54.0	57.0	20.0	30.0
PER2817H-4R7K	4.7	2.82	59.0	61.2	62.4	20.0	28.0
PER2814H-4R7K	4.7	2.01	42.0	48.0	50.1	20.0	30.0
PER2814L-4R7K	4.7	1.62	33.0	36.9	39.0	20.0	30.0
PER2817H-6R8K	6.8	2.82	42.0	45.0	45.9	20.0	28.0
PER2814H-6R8K	6.8	2.01	30.0	34.5	36.2	20.0	30.0
PER2814L-6R8K	6.8	1.62	22.0	26.0	27.8	20.0	30.0
PER2817H-100K	10	2.82	28.0	31.2	32.1	20.0	28.0
PER2814H-100K	10	2.01	18.0	21.5	23.4	20.0	30.0
PER2814L-100K	10	1.62	13.0	16.2	17.6	20.0	30.0
PER2817H-150K	15	2.82	18.0	21.2	21.9	20.0	28.0
PER2814H-150K	15	2.01	11.5	14.0	15.2	20.0	30.0
PER2814L-150K	15	1.62	7.5	9.8	11.0	20.0	30.0
PER2817H-220K	22	2.82	12.0	14.0	15.0	20.0	28.0
PER2814H-220K	22	2.01	7.0	8.6	9.6	20.0	30.0
PER2814L-220K	22	1.62	4.5	6.0	6.8	20.0	30.0
PER2817H-330K	33	2.82	7.0	8.7	9.6	20.0	28.0
PER2814H-330K	33	2.01	4.0	5.1	5.9	20.0	30.0
PER2814L-330K	33	1.62	2.0	2.6	3.3	20.0	30.0

PRODUCT P/N:PER28XXH-XXXX

REV: 04-08/25/14

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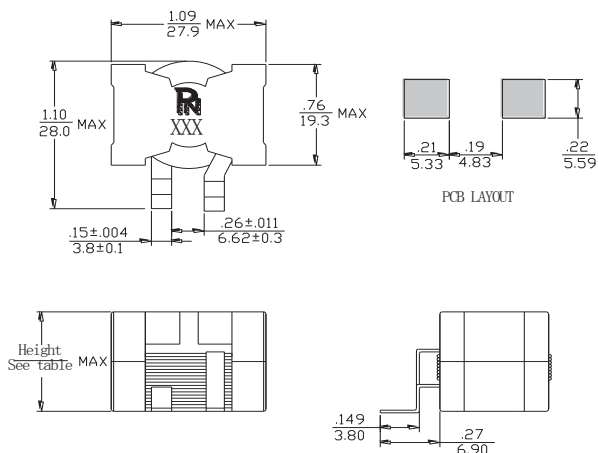
<http://www.palnova.com>



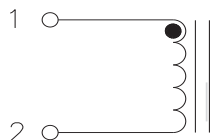
SHIELDED POWER INDUCTOR

- Large Current and Low DCR
- Magnetically shielded construction
- Current capability up to 84.8A
- Recommended solder profile: Reflow
- ROHS Compliance Product
- Operating Temperature range: -40°C TO +85°C

Electrical Specifications @ 25°C



PER2814L	0.56/14.22
PER2814H	0.56/14.22
PER2817H	0.669/17.0



PRODUCT P/N: PER28XXH-XXXX

REV: 04-08/25/14

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Composite Forming SMD Inductors	
PDM0410-XXXM-S	4.06 X 4.60 X 1.00
PDM0412-XXXM-S	4.06 X 4.60 X 1.20
PDM0420-XXXM-S	4.06 X 4.60 X 2.00
PDM0530-XXXM-S	5.18 X 5.80 X 3.10
PDM0620-XXXM-S	6.60 X 7.50 X 2.00
PDM0630-XXXM-S	6.60 X 7.50 X 3.00
PDM1040-XXXM-S	10.0 X 11.50 X 4.00
PDM1050-XXXM-S	10.0 X 11.50 X 5.00
PDM1245-XXXM-S	12.30 X 12.80 X 4.50
PDM1250-XXXM-S	12.60 X 13.80 X 5.00
PDM1270-XXXM-S	12.60 X 13.80 X 7.00
PDM1270-XXXM-N	12.60 X 13.80 X 7.00
PDM1280-XXXM-N	12.60 X 13.80 X 8.00

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COMPOSITE FORMING SMD INDUCTORS

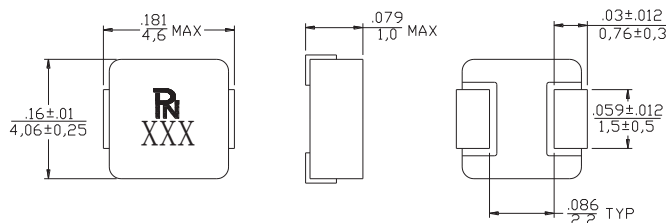
- Large current and low DCR
- Magnetically shielded construction
- High frequency range up to 5.0 MHz.
- Low noise.
- Ultra low cost.
- Operating temperature range: -40°C TO +125°C



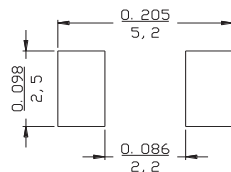
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 0410-R10 M-S	0.1	9	10	10		12	
PDM 0410-R22 M-S	0.22	16	18	8		10	
PDM 0410-R47 M-S	0.47	38	42.5	5		6	
PDM 0410-R68 M-S	0.68	37	41	4.5		6	
PDM 0410-1R0 M-S	1.0	65	73	2		3	
PDM 0410-1R2 M-S	1.2	65	73	2		2	
PDM 0410-1R5 M-S	1.5	95	106	2		2.5	
PDM 0410-2R2 M-S	2.2	129	144	1.5		2.5	
PDM 0410-3R3 M-S	3.3	260	291	1.5		2	
PDM 0410-4R7 M-S	4.7	292	327	1.25		1.5	
PDM 0410-6R8 M-S	6.8	324	365	1		1.5	
PDM 0410-100 M-S	10	425	475	0.75		1	

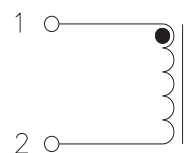
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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COMPOSITE FORMING SMD INDUCTORS

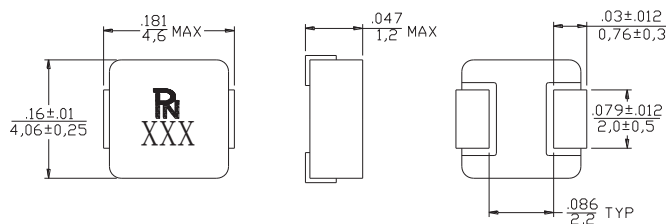
- Large current and low DCR
- Magnetically shielded construction
- High frequency range up to 5.0 MHz.
- Low noise.
- Ultra low cost.
- Operating temperature range: -40°C TO +125°C



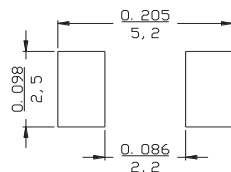
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 0412-R10 M-S	0.1	5.5	6	11.5		22	
PDM 0412-R22 M-S	0.22	11	12	8.5		11.5	
PDM 0412-R47 M-S	0.47	20	25	5		7	
PDM 0412-R68 M-S	0.68	34	37	4.5		6	
PDM 0412-1R0 M-S	1.0	50	52.5	4		5	
PDM 0412-1R2 M-S	1.2	55	58.5	3.5		5	
PDM 0412-1R5 M-S	1.5	68	75	3.25		4	
PDM 0412-2R2 M-S	2.2	92	101	2.45		2.75	
PDM 0412-3R3 M-S	3.3	145	165	2		2.5	
PDM 0412-4R7 M-S	4.7	170	195	1.5		2	
PDM 0412-6R8 M-S	6.8	312	374	1.4		1.6	
PDM 0412-8R2 M-S	8.2	341	409	1.3		1.5	
PDM 0412-100 M-S	10	430	515	1		1.4	

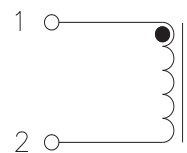
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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COMPOSITE FORMING SMD INDUCTORS

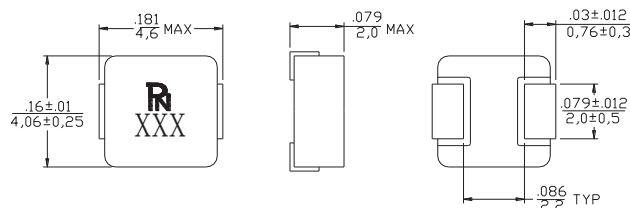
- Large current and low DCR
- Magnetically shielded construction
- High frequency range up to 5.0 MHz.
- Low noise.
- Ultra low cost.
- Operating temperature range: -40°C TO +125°C



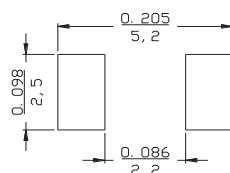
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 0420-R10 M-S	0.1	3.5	4.0	12		22	
PDM 0420-R22 M-S	0.22	6.0	6.6	9		12.5	
PDM 0420-R47 M-S	0.47	13	14	7		10	
PDM 0420-R56 M-S	0.56	14	16	6		8	
PDM 0420-R68 M-S	0.68	20	21	5.2		8	
PDM 0420-1R0 M-S	1.0	24	27	4.5		7	
PDM 0420-1R5 M-S	1.5	38	46	4		6	
PDM 0420-2R2 M-S	2.2	52	58	3		5	
PDM 0420-3R3 M-S	3.3	74	87	2.5		4	
PDM 0420-4R7 M-S	4.7	105	126	2.2		3	
PDM 0420-6R8 M-S	6.8	112	135	2		3	
PDM 0420-8R2 M-S	8.2	205	216	2		2	
PDM 0420-100 M-S	10	220	264	2		2	

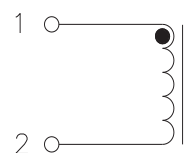
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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COMPOSITE FORMING SMD INDUCTORS

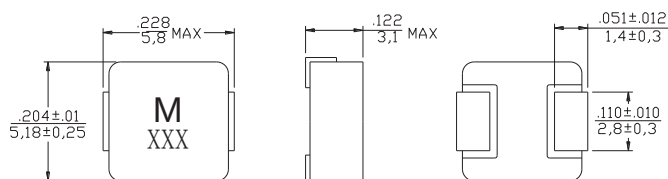
- Large current and low DCR
- Magnetically shielded construction
- High frequency range up to 5.0 MHz.
- Low noise.
- Ultra low cost.
- Operating temperature range: -55°C TO +125°C



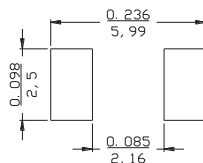
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 0530-R20 M-S	0.2	3.5	3.9	14.5		18	
PDM 0530-R47 M-S	0.47	6.7	7.04	12		16	
PDM 0530-R68 M-S	0.68	11	12	8		14	
PDM 0530-1R0 M-S	1.0	13	14	9.2		12	
PDM 0530-1R5 M-S	1.5	20	22	6		10	
PDM 0530-2R2 M-S	2.2	25	28	5.5		9	
PDM 0530-3R3 M-S	3.3	32	38	5		7	
PDM 0530-4R7 M-S	4.7	54	60	4		7.5	
PDM 0530-100 M-S	10	124	135	2.2		2.5	

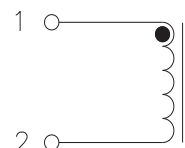
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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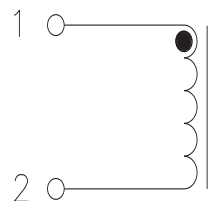
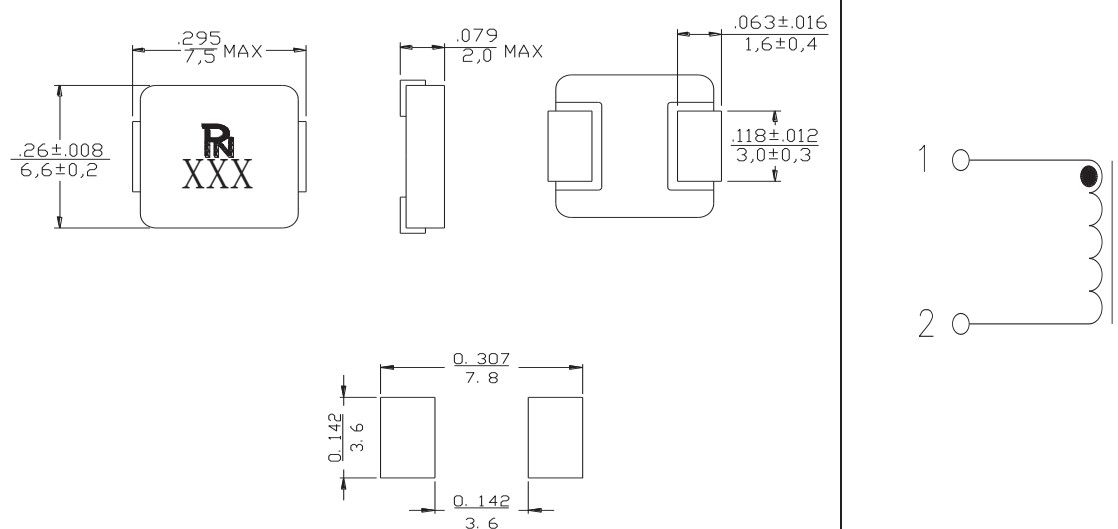
COMPOSITE FORMING SMD INDUCTORS

- Large Current and Low DCR
- Magnetically shielded construction
- High frequency range up to 5.0 MHz.
- Low noise.
- Ultra low cost.
- Operating Temperature range: -55°C TO +125°C



Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current	Saturation Current
	L0(μH) ±20% '@0A	Typical	Max	Irms (Amp) Typical	Isat (Amp) Typical
PDM0620-2R2 M-S	2.2	38	43	5	8
PDM0620-3R3 M-S	3.3	54	60	4	6
PDM0620-100 M-S	10	130	140	2	3



PRODUCT P/N: PDM 0620-XXXM-N

REV: 01-07/07/14

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COMPOSITE FORMING SMD INDUCTORS

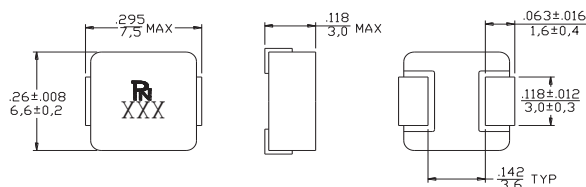
- Large current and low DCR
- Magnetically shielded construction
- High frequency range up to 5.0 MHz.
- Low noise.
- Ultra low cost.
- Operating temperature range: -40°C TO +125°C



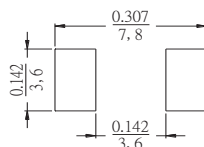
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 0630-R22 M-S	0.22	2.5	2.8	22		38	
PDM 0630-R33 M-S	0.33	3.5	4.0	20		30	
PDM 0630-R47 M-S	0.47	4.0	4.5	15		26	
PDM 0630-R56 M-S	0.56	4.0	4.5	15		26	
PDM 0630-R68 M-S	0.68	5.0	5.5	15.5		25	
PDM 0630-R82 M-S	0.82	6.7	8.0	12		24	
PDM 0630-1R0 M-S	1.0	9.0	10	11		22	
PDM 0630-1R5 M-S	1.5	14	16	10		16	
PDM 0630-2R2 M-S	2.2	18	21	8		14	
PDM 0630-3R3 M-S	3.3	28	31	5.5		12	
PDM 0630-4R7 M-S	4.7	36	40	5.5		10	
PDM 0630-5R6 M-S	5.6	36	40	4.5		8	
PDM 0630-6R8 M-S	6.8	54	60	4.5		8	
PDM 0630-8R2 M-S	8.2	64	68	4		7	
PDM 0630-100 M-S	10	75	95	4		7	
PDM 0630-150 M-S	15	107	122	3		3.5	
PDM 0630-220 M-S	22	128	135	2.5		2.9	

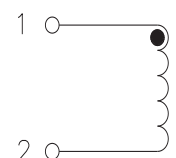
Dimensions (unit:inch/ mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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COMPOSITE FORMING SMD INDUCTORS

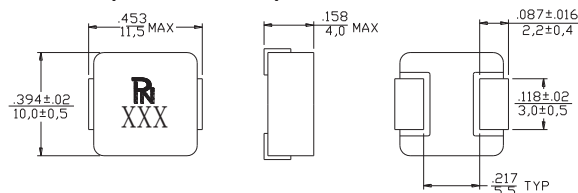
- Large current and low DCR
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- Low noise.
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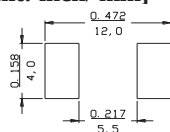
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 1040-R22 M-S	0.22	0.85	0.96	35		50	
PDM 1040-R30 M-S	0.3	1.05	1.2	30		55	
PDM 1040-R47 M-S	0.47	1.6	1.8	25		40	
PDM 1040-R56 M-S	0.56	1.6	1.8	25		40	
PDM 1040-R68 M-S	0.68	1.8	2.0	22		35	
PDM 1040-R72 M-S	0.72	1.8	2	22		35	
PDM 1040-1R0 M-S	1.0	3.0	3.5	18		30	
PDM 1040-1R5 M-S	1.5	4.5	6.0	16		25	
PDM 1040-1R8 M-S	1.8	4.5	6.0	16		18	
PDM 1040-2R2 M-S	2.2	6.7	7.0	12		25	
PDM 1040-2R5 M-S	2.5	8.75	10	7.5		15	
PDM 1040-3R3 M-S	3.3	10.5	11.8	12		16	
PDM 1040-3R8 M-S	3.8	11.5	13	6		12	
PDM 1040-4R7 M-S	4.7	14	16.5	8		12	
PDM 1040-5R2 M-S	5.2	19.5	22	5.5		10	
PDM 1040-6R8 M-S	6.8	21.5	24	6		10	
PDM 1040-100 M-S	10	35	45	5		8	
PDM 1040-150 M-S	15	46	50	5		7	
PDM 1040-220 M-S	22	65	73	3		5	

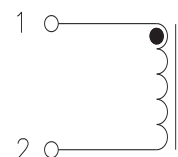
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



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COMPOSITE FORMING SMD INDUCTORS

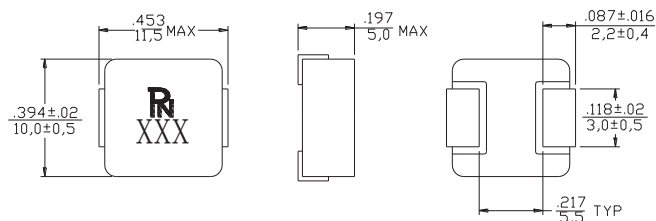
- Large current and low DCR
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- Ultra low cost.
- Operating temperature range: -40°C TO +125°C



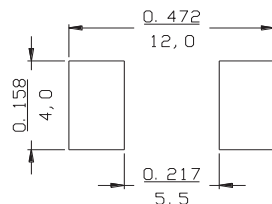
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 1050-R80 M-N	0.8	3.0	3.5	7.5		20	
PDM 1050-1R5 M-N	1.5	4.5	6.0	7		18	
PDM 1050-2R2 M-N	2.2	6.7	7.2	6.3		15	
PDM 1050-3R3 M-N	3.3	9.2	10.4	5.75		10	
PDM 1050-4R7 M-N	4.7	11	12.3	5		8	
PDM 1050-6R8 M-N	6.8	21.5	24	4.5		7	
PDM 1050-100 M-N	10	35	45	4		7	
PDM 1050-150 M-N	15	46	50	3		5	

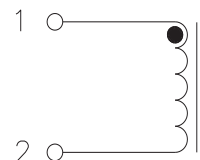
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



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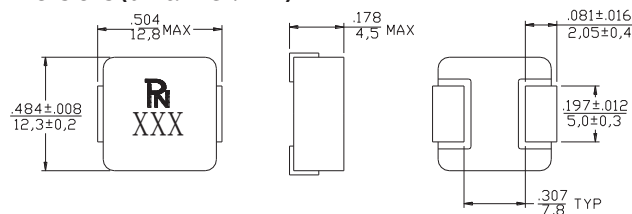
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- Ultra low cost.
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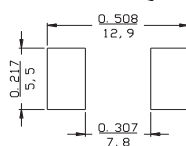
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 1245-R15 M-S	0.15	1	1.2	40		75	
PDM 1245-R22 M-S	0.22	1.1	1.3	38.5		65	
PDM 1245-R33 M-S	0.33	1.3	1.5	36.5		62	
PDM 1245-R47 M-S	0.47	1.8	2	30		50	
PDM 1245-1R0 M-S	1.0	3	3.5	20		38	
PDM 1245-1R5 M-S	1.5	5.1	5.7	19		30	
PDM 1245-2R2 M-S	2.2	7.2	8	15		25	
PDM 1245-3R9 M-S	3.9	12.5	14	10		18	
PDM 1245-4R7 M-S	4.7	14.3	15	8		15	
PDM 1245-6R8 M-S	6.8	19.8	22	9		18	
PDM 1245-8R2 M-S	8.2	21.6	27	5.5		6.5	
PDM 1245-100 M-S	10	24	28	4.5		5.8	
PDM 1245-120 M-S	12	31.67	38	4.1		4.96	
PDM 1245-150 M-S	15	37.3	44.8	3.6		4.62	
PDM 1245-180 M-S	18	46.97	56.4	3.4		4.32	
PDM 1245-220 M-S	22	53.99	64.8	3.2		3.83	
PDM 1245-270 M-S	27	66.7	80	2.8		3.44	
PDM 1245-330 M-S	33	80.83	97	2.6		3.12	
PDM 1245-390 M-S	39	110	132	2.3		2.85	
PDM 1245-470 M-S	47	124.66	149.6	2.2		2.63	
PDM 1245-560 M-S	56	144.32	173.2	2		2.35	
PDM 1245-680 M-S	68	183.33	220	1.8		2.13	

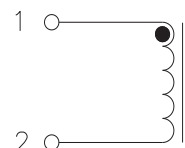
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



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COMPOSITE FORMING SMD INDUCTORS

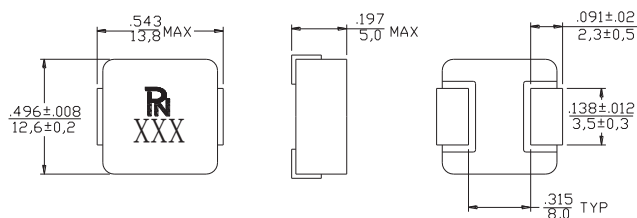
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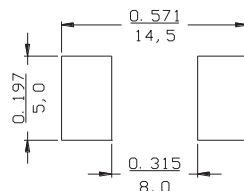
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 1250-R36 M-S	0.36	0.86	1.0	40		65	
PDM 1250-R47 M-S	0.47	1.1	1.3	35		60	
PDM 1250-R68 M-S	0.68	1.5	1.7	30		50	
PDM 1250-1R0 M-S	1.0	2.1	2.5	29		50	
PDM 1250-1R5 M-S	1.5	3.4	4.1	22		40	
PDM 1250-2R2 M-S	2.2	5.5	6.0	20		30	
PDM 1250-3R3 M-S	3.3	7.7	9.2	15		30	
PDM 1250-4R7 M-S	4.7	12.8	15	12		25	
PDM 1250-5R6 M-S	5.6	14	16.5	11.5		20	
PDM 1250-6R8 M-S	6.8	15.4	18.5	10		18	
PDM 1250-8R2 M-S	8.2	18.9	22.5	8		12	
PDM 1250-100 M-S	10	21.4	25.5	8		12	

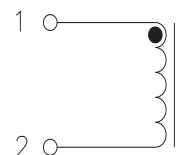
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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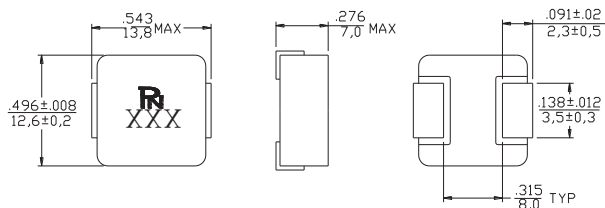
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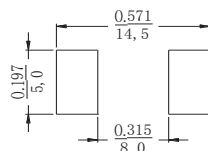
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 1270-R33 M-S	0.33	0.83	0.9	45		65	
PDM 1270-R47 M-S	0.47	1.0	1.2	38		60	
PDM 1270-R56 M-S	0.56	1.2	1.4	35		56	
PDM 1270-R68 M-S	0.68	1.4	1.6	32		50	
PDM 1270-1R0 M-S	1.0	1.7	2.0	30		45	
PDM 1270-2R2 M-S	2.2	3.5	4.2	22		38	
PDM 1270-3R3 M-S	3.3	5.7	6.8	15		32	
PDM 1270-3R6 M-S	3.6	5.7	6.8	17		30	
PDM 1270-4R7 M-S	4.7	9.3	11.2	13		28	
PDM 1270-6R0 M-S	6.0	13.1	14	10		14	
PDM 1270-100 M-S	10	16.4	17	8		12	
PDM 1270-150 M-S	15	29	32	6		10	
PDM 1270-220 M-S	22	46	50	4		7	
PDM 1270-330 M-S	33	65	70	4		7	

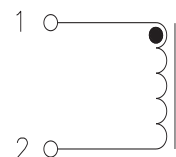
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



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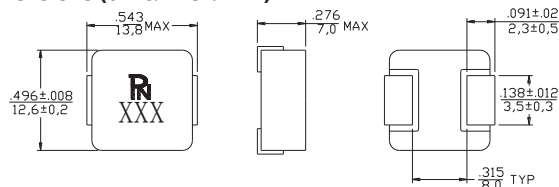
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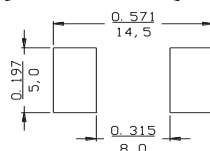
Electrical Specifications @ 25°C

P/N	100KHz 0.25V	D.C.R (mΩ)		Heat Rating Current		Saturation Current	
	L0(μH) ±20% '@0A	Typical	Max	Idc (Amp)	Typical	Isat (Amp)	Typical
PDM 1270-R40 M-N	0.4	0.88	1.0	35		60	
PDM 1270-R47 M-N	0.47	1.15	1.3	18.6		56	
PDM 1270-R60 M-N	0.6	1.2	1.4	23		45	
PDM 1270-1R0 M-N	1.0	1.7	2.0	15.9		40	
PDM 1270-2R2 M-N	2.2	3.5	4.2	12.7		25.5	
PDM 1270-3R3 M-N	3.3	5.7	6.8	10.5		21.5	
PDM 1270-4R7 M-N	4.7	9.3	11.2	8.5		16.5	
PDM 1270-6R8 M-N	6.8	13.1	14	7.5		13.5	
PDM 1270-8R2 M-N	8.2	15.7	17	6.5		12.5	
PDM 1270-100 M-N	10	16.4	17	6.5		11.5	
PDM 1270-150 M-N	15	29	32	5.5		10	
PDM 1270-220 M-N	22	46	50	4		7	
PDM 1270-330 M-N	33	65	70	4		7	
PDM 1270-470 M-N	47	75	84	2.95		5.5	
PDM 1270-680 M-N	68	105	117	2.5		4.5	

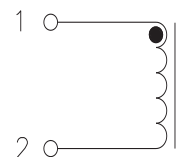
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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COMPOSITE FORMING SMD INDUCTORS

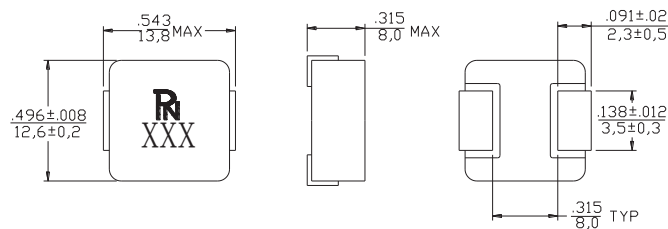
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- Operating temperature range: -40°C TO +125°C



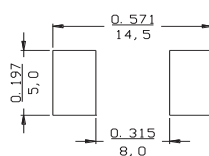
Electrical Specifications @ 25°C

[illegible]

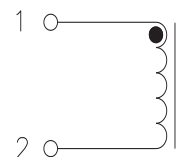
Dimensions (unit: inch/mm)



Recommended Layout: [unit: inch/ mm]



Schematics(continued)



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PH13014	16.0 DIA. X 11.0 HT.
PP220R0	16.0 DIA. X 10.0 HT.
PH13011	18.0 DIA. X 10.0 HT.
PH33002	40.0 DIA. X 15.0 HT.

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FILTER INDUCTOR

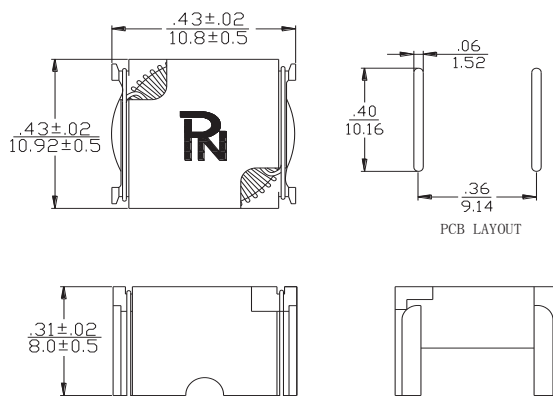
- Low magnetic stray field
- Switching regulators up to 100 kHz
- Current capability up to 1A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



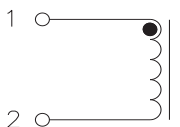
Electrical Specifications @ 25°C

P/N	OCL @10KHz 0.25V (μ H $\pm$ 15%)	DCR (m Ω MAX)
PC08001	270	260

Dimensions (unit: inch/mm)



Schematics



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FILTER INDUCTOR

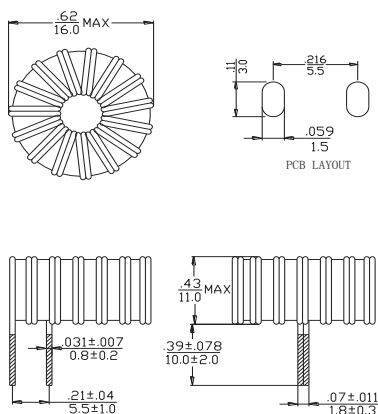
- Low magnetic stray field
- Switching regulators up to 100 kHz
- Current capability up to 10A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



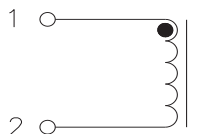
Electrical Specifications @ 25°C

P/N	OCL @ 1.0KHz, 1.0V (μH MIN)	D.C.R (mΩ MAX)	Rated Current (A MAX)
PH13014	8	4	10

Dimensions (unit: inch/mm)



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FILTER INDUCTOR

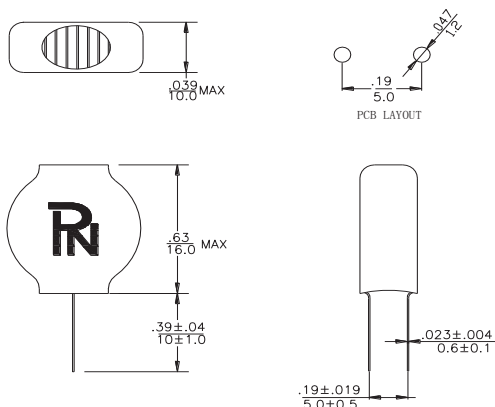
- Low magnetic stray field
- Switching regulators up to 100 KHz
- Current capability up to 2.3A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



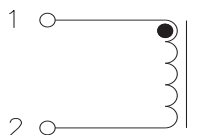
Electrical Specifications @ 25°C

P/N	OCL @10KHz 0.1V ($\mu\text{H} \pm 15\%$)	DCR (m Ω MAX)
PP220RO	220	40

Dimensions (unit: inch/mm)



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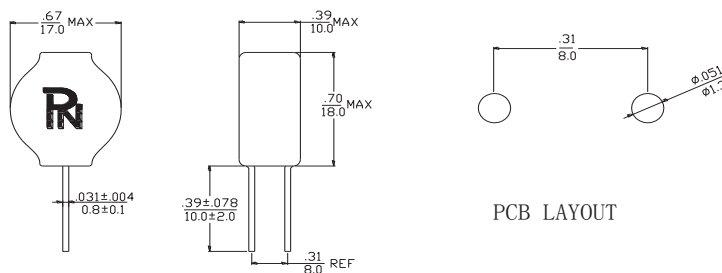
FILTER INDUCTOR

- Low magnetic stray field
- Switching regulators up to 100 KHz
- Current capability up to 4A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



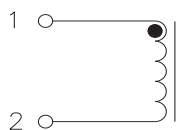
Electrical Specifications @ 25°C		
P/N	OCL @10KHz 0.1V (μH ±20%)	DCR (mΩ MAX)
PH13011	18	35

Dimensions (unit: inch/mm)



PCB LAYOUT

Schematics



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FILTER INDUCTOR

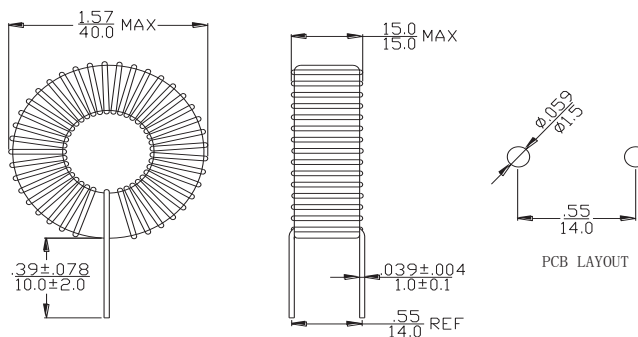
- Low magnetic stray field
- Switching regulators up to 100 kHz
- Current capability up to 6.3A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



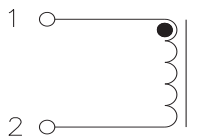
Electrical Specifications @ 25°C

P/N	OCL @10KHz 0.1V ($\mu\text{H} \pm 20\%$)	DCR (m Ω MAX)
PH33002	18	35

Dimensions (unit: inch/mm)



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Common Mode Chokes	
PD1231ENL	5.64 X 5.00 X 2.30
PS2304	7.40 X 6.40 X 4.83
PS1152	8.00 X 8.00 X 5.50
PC06002	8.45 X 8.70 X 7.50
PS5441A	8.45 X 8.70 X 7.50
PC09003	10.0 X 8.70 X 6.20
PS8551	10.0 X 8.70 X 6.20
PC13004	17.0 X 20.50 X 9.50
PP400R0	17.60 X 16.90 X 17.00
PP0902CNL	15.50 X 16.50 X 5.00
PH25003	32.0 DIA. X 25.0 HT.
PP1119F	15.70 X 14.35 X 12.55
PP1270W	17.0 X 11.50 X 17.0
PC22001	22.0 X 20.0 X 29.0
PC22002	22.0 X 20.0 X 31.0

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COMMON MODE CHOKE

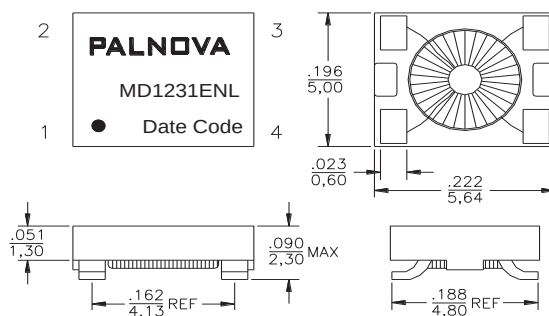
- Common mode choke inductance
- RoHS compliance product
- Rated inductance 5uH to 4.7mH
- Operating temperature range: 0°C TO +70°C



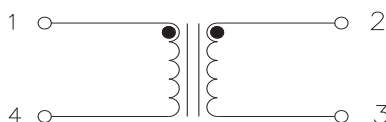
Electrical Specifications @ 25°C

P/N	IR (mA)	DCR (mΩ)	OCL ≤ 1mH 100KHz, 0.1V;	LL ≤ 11uH 1MHz, 0.1V;	Hi-Pot DC(V)
PD1231ENL	200	150	10	0.05	1000

Dimensions (unit: inch/mm)



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COMMON MODE CHOKE

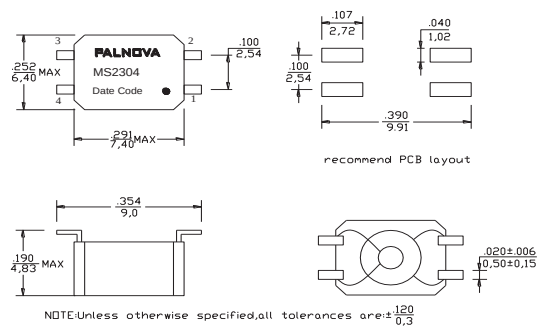
- Common mode choke inductor
- RoHS compliant
- Rated inductance 5uH to 4.7mH
- Inductance tolerance($OCL \leq 0.47\text{mH} : \pm 30\%$,
 $OCL \geq 0.47\text{mH} : -30\%/+50\%$)
- Operating temperature range: 0°C TO $+70^{\circ}\text{C}$



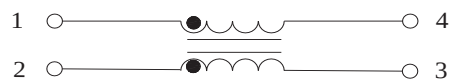
Electrical Specifications @ 25°C

P/N	IR (mA)	DCR (mΩ)	$OCL \leq 1\text{mH}$ 100KHz, 0.1V; $OCL \geq 1\text{mH}$ 10KHz 0.1V (mH)	$LL \leq 11\mu\text{H}$ 1MHz, 0.1V; $LL \geq 11\mu\text{H}$ 100KHz 0.1V (uH)	Hi-Pot DC(V)
PS2304	1000	100	0.005	0.05	250

Dimensions (unit: inch/mm)



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COMMON MODE CHOKE

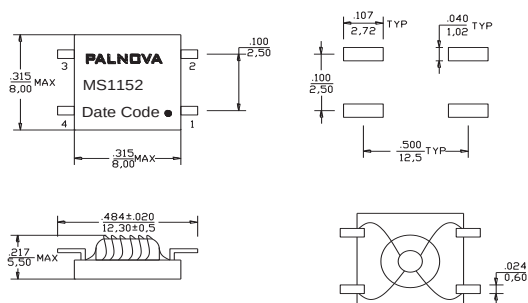
- Common mode choke inductor
- RoHS compliant
- Rated inductance 5uH to 4.7mH
- Operating temperature range: 0°C TO +70°C



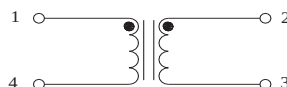
Electrical Specifications @ 25°C

P/N	IR (mA)	DCR (mΩ)	OCL ≤ 1mH 100KHz, 0.1V; OCL ≥ 1mH 10KHz 0.1V (mH)	LL ≤ 11uH 1MHz, 0.1V; LL ≥ 11uH 100KHz 0.1V (uH)	Hi-Pot DC(V)
PS1152	200	700	4.7	0.05	1000

Dimensions (unit: inch/mm)



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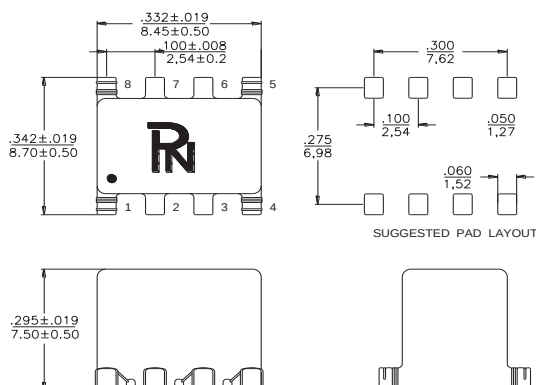
COMMON MODE CHOKES

- Common mode chokes for telecom applications
- Excellent EMI performance
- Current capability up to 750mA
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C

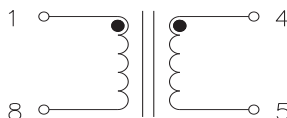


Electrical Specifications @ 25°C				
P/N	T/R (±2%)	OCL@100KHz 0.1V (μH MIN)	DCR (Ω MAX)	Hi-pot Vrms
PC06002	(1-8) : (4-5)	(1-8)	(1-8) = (4-5)	1-8 TO 4-5
	1: 1	1200	0.91Ω	1650

Dimensions (unit: inch/mm)



Schematics



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COMMON MODE CHOKES

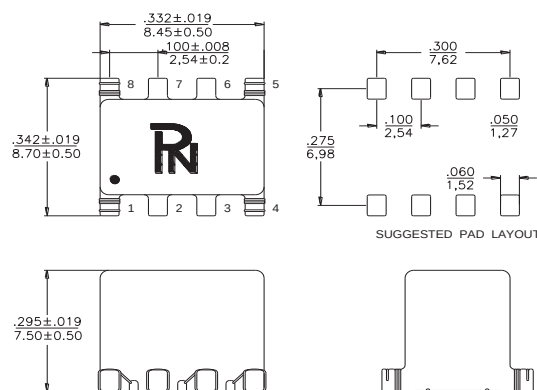
- Common mode chokes for telecom applications
- Excellent EMI performance
- Current capability up to 750mA
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



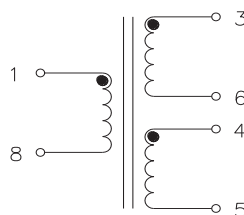
Electrical Specifications @ 25°C

P/N	T/R (±2%)	OCL@100KHz 0.1V (μH MIN)	DCR (Ω MAX)	Hi-pot Vrms
PS5441A	(1-8) : (3-6) : (4-5)	(1-8)	(1-8) =(3-6)=(4-5)	1-8 TO 3-4-5-6
	1:1:1	3300	1.6	700

Dimensions (unit: inch/mm)



Schematics



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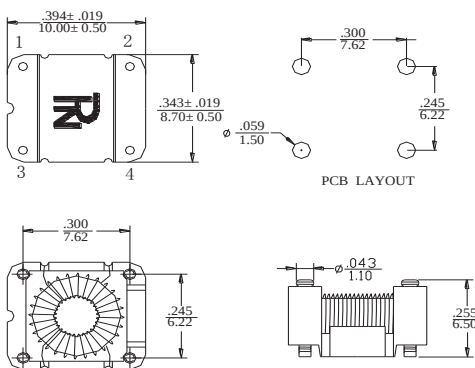
COMMON MODE CHOKE

- Common mode chokes for telecom applications
- Excellent EMI performance
- Current capability up to 0.85A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



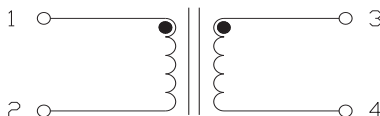
Electrical Specifications @ 25°C					
P/N	T/R	OCL@10KHz 0.02V (mH±40%)	DCR mΩ MAX	Rated Current (A MAX)	Hi-Pot Vrms
PC09003	(1-2):(3-4)	(1-2)=(3-4)	(1-2)=(3-4)	(1-2)=(3-4)	(1-2) TO (3-4)
	1:1 ±2%	3.9	350	0.85	650

Dimensions (unit: inch/mm)



Unless otherwise specified, all tolerances are: ±.012 / 0.30

Schematics



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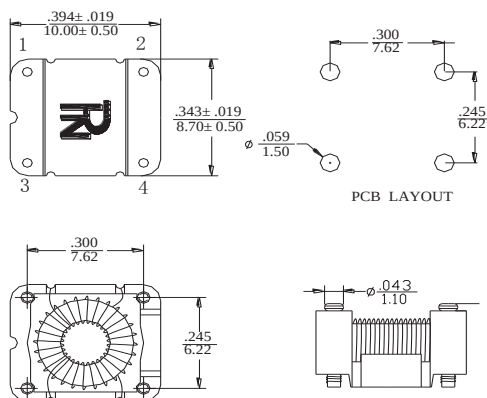
COMMON MODE CHOKE SERIES

- Common mode chokes for telecom applications
- Excellent EMI performance
- Current capability up to 0.85A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



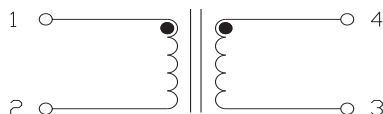
Electrical Specifications @ 25°C					
P/N	T/R	OCL@10KHz 0.02V (mH±40%)	DCR mΩ MAX	Rated Current (A MAX)	Hi-Pot Vrms
PS8551	(1-2):(4-3)	(1-2)=(4-3)	(1-2)=(4-3)	(1-2)=(4-3)	(1-2) TO (4-3)
	1:1 ±2%	3.9	550	0.75	500

Dimensions (unit: inch/mm)



Unless otherwise specified, all tolerances are: ±.012 / 0.30

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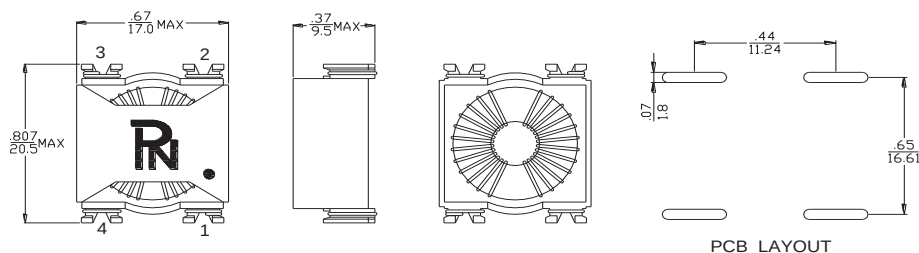
COMMON MODE CHOKES

- Common mode chokes for telecom applications
- Excellent EMI performance
- Current capability up to 2.0A
- Recommended solder profile: Reflow
- RoHS compliant
- Operating temperature range: -40°C TO +85°C

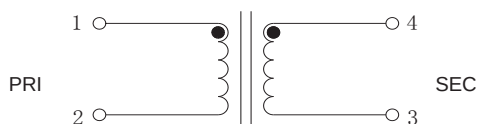


Electrical Specifications @ 25°C				
P/N	T/R (±2%)	OCL@100KHz 0.1V (mH ±30%)	DCR (mΩ MAX)	Hi-pot Vrms
PC13004	(1-2):(3-4)	(1-2)=(3-4)	(1-2)=(3-4)	(1-2) TO (3-4)
	1:1	3	120	500

Dimensions (unit: inch/mm)



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COMMON MODE CHOKES

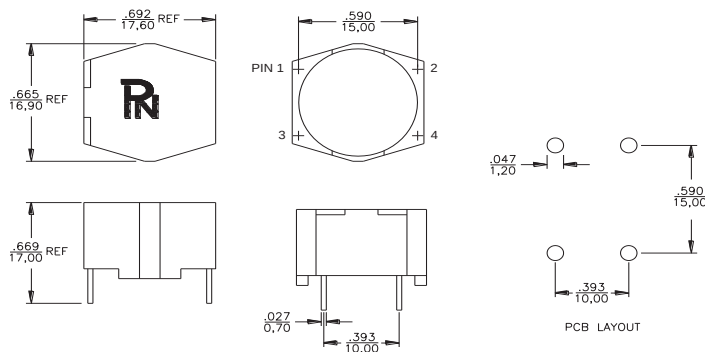
- Common mode chokes for telecom applications
- Excellent EMI performance
- Current capability up to 2.0A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: -40°C TO +85°C



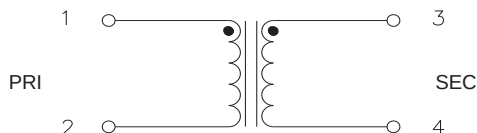
Electrical Specifications @ 25°C

P/N	T/R (±2%)	OCL@100KHz 0.1V (μH ±30%)	DCR (mΩ MAX)	Hi-pot Vrms
PP400RO	(1-2):(3-4)	(1-2) =(3-4)	(1-2) =(3-4)	(1-2) TO (3-4)
	1: 1	400	120	1000

Dimensions (unit: inch/mm)



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COMMON MODE CHOKES

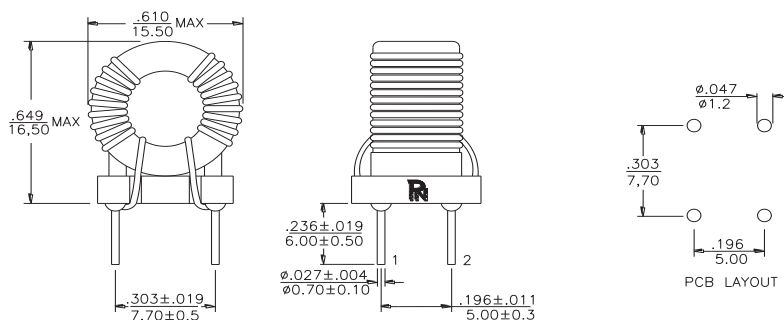
- Common mode chokes for telecom applications
- Excellent EMI performance
- Current capability up to 2.3A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



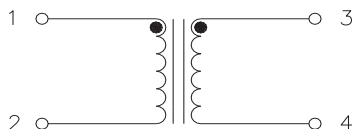
Electrical Specifications @ 25°C

P/N	T/R	OCL@1KHz 0.25V ($\mu\text{H} \pm 10\%$)	HI-POT Vrms
PP0902CNL	(1-2) : (3-4)	(1-2)=(3-4)	(1-2) TO (3-4)
	1:1	20	1500

Dimensions (unit: inch/mm)



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COMMON MODE CHOKES

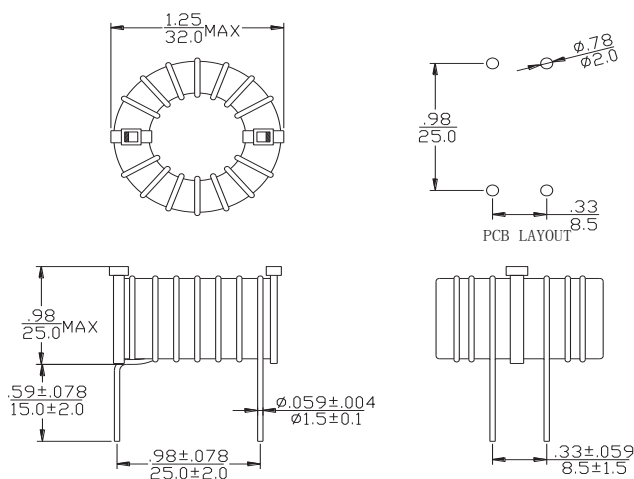
- Excellent EMI performance
- Suppression for common mode noise
- Current capability up to 12A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



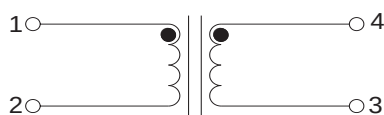
Electrical Specifications @ 25°C

P/N	T/R	OCL @1KHz 0.25V (μH MIN)	DCR (mΩ MAX)	Rated Current (A MAX)
PH25003	(1-2):(4-3)	(1-2)=(3-4)	(1-2)=(3-4)	(1-2)=(3-4)
	1:1	350	15	12

Dimensions (unit: inch/mm)



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COMMON MODE CHOKES

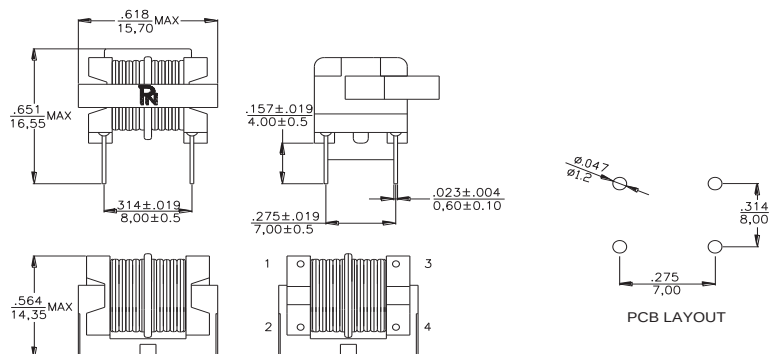
- Common mode chokes
- Suppression of common mode noise
- Current capability up to 600mA
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



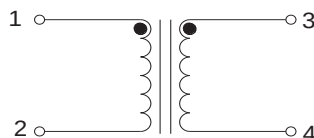
Electrical Specifications @ 25°C

P/N	T/R	OCL @1KHz 0.25V	DCR	Hi-Pot
PP1119F	(1-2) : (3-4)	(1-2)=(3-4)	(1-2)=(3-4)	(1-2) TO (3-4)
	1:1	44mH MIN	3.7Ω±10%	1500V AC 1mA 60s

Dimensions (unit: inch/mm)



Schematics



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COMMON MODE CHOKES

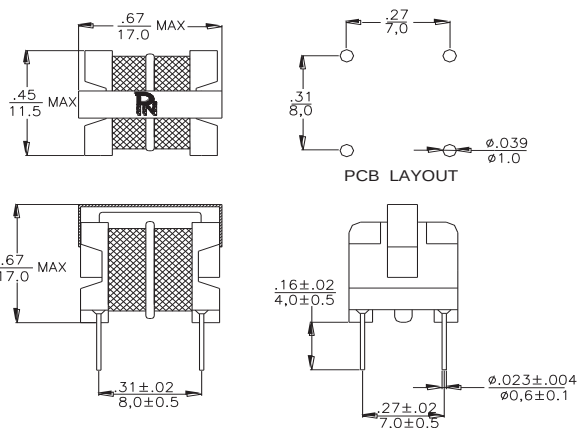
- Common mode chokes
- Suppression of common mode noise
- Current capability up to 750mA
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +70°C



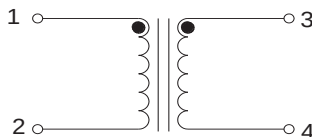
Electrical Specifications @ 25°C

P/N	T/R	OCL @1KHz 0.25V	DCR	Hi-Pot
PP1270W	(1-2) : (3-4)	(1-2)=(3-4)	(1-2)=(3-4)	(1-2) TO (3-4)
	1:1	22mH MIN	3.7Ω	1500V AC 1mA 2s

Dimensions (unit: inch/mm)



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DIFFERENTIAL MODE OUTPUT INDUCTOR

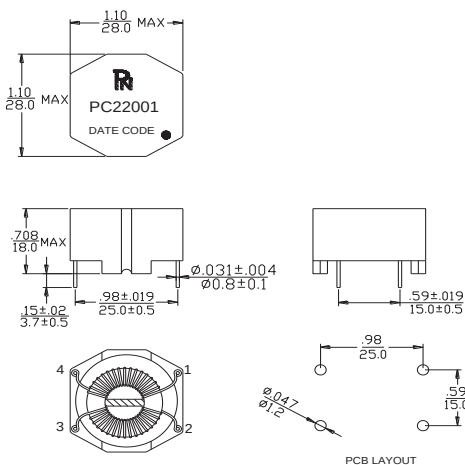
- Differential mode inductor
- coil coated in varnish
- Current capability up to 2A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +100°C



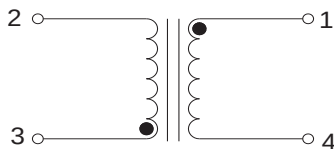
Electrical Specifications @ 25°C

P/N	T/R	OCL @10KHz 0.1V	DCR	Hi-Pot
PC22001	(1-4) : (2-3)	(1-4)=(2-3)	(1-4)=(2-3)	(1-4)TO(2-3)
	1:1	75uH $\pm 20\%$	130m Ω	2500V AC 1mA 2s

Dimensions (unit: inch/mm)



Schematics



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COMMON MODE OUTPUT CHOKES

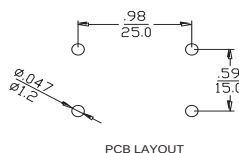
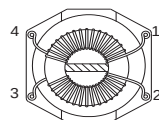
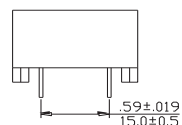
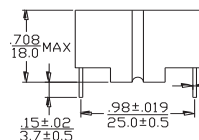
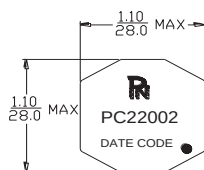
- Common mode Choke
- Coil coated in varnish
- Current capability up to 2A
- Recommended solder profile: Wave soldering
- RoHS compliant
- Operating temperature range: 0°C TO +100°C



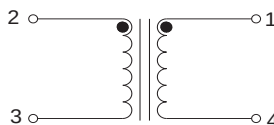
Electrical Specifications @ 25°C

P/N	T/R	OCL @10KHz 0.1V	DCR	Hi-Pot
PC22002	(1-4) : (2-3)	(1-4)=(2-3)	(1-4)=(2-3)	(1-4)TO(2-3)
	1:1	6.5mH MIN	130mΩ	2500V AC 1mA 2s

Dimensions (unit: inch/mm)



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Northern California Office:

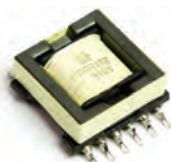
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