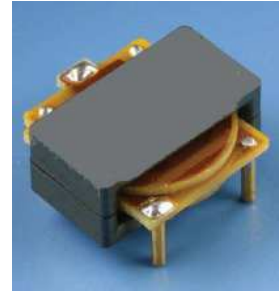




## PLANAR TRANSFORMERS

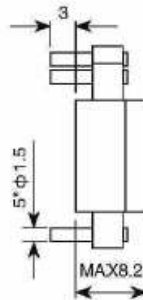
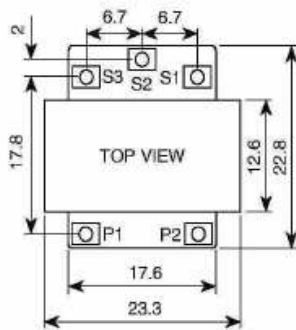
- ER23 Planar Ferrite Core
- Suitable for DC/DC Power Modules
- Operating Frequency 300 - 300 KHz
- Mechanical Outline 23.3 x 22.8 x 8.2 mm
- Electrical Isolation 1.5 KV DC
- Working Temperature -40° C - +85° C
- Weight ≤ 14g

## PER23-2 120W

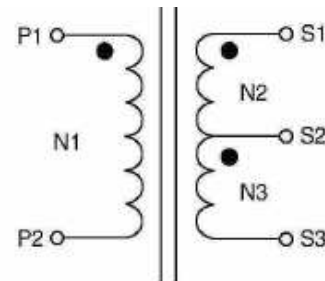


| Electrical Specifications @ 25°C |            |                               |                     |                 |                    |                    |
|----------------------------------|------------|-------------------------------|---------------------|-----------------|--------------------|--------------------|
| Part Number                      | Turn Ratio | Primary winding<br>N1 (P1-P2) |                     |                 | SEC.<br>N2 (S1-S2) | SEC.<br>N2 (S2-S3) |
|                                  |            | Inductance<br>μH (min)        | Leakage<br>μH (max) | DCR<br>mΩ (max) | DCR<br>mΩ (max)    | DCR<br>mΩ (max)    |
|                                  | N1:(N2+N3) |                               |                     |                 |                    |                    |
| PER23T202021                     | 2:(2+2)    | 12                            | 0.5                 | 0.9             | 1.1                | 1.1                |
| PER23T302031                     | 2:(3+3)    | 12                            | 0.5                 | 1.1             | 33                 | 33                 |
| PER23T302051                     | 2:(5+5)    | 12                            | 0.5                 | 0.9             | 8.2                | 8.2                |
| PER23T303011                     | 3:(1+1)    | 28                            | 0.5                 | 2.8             | 0.4                | 0.4                |
| PER23T304021                     | 4:(2+2)    | 50                            | 0.5                 | 4.2             | 2.8                | 2.8                |
| PER23T304031                     | 4:(3+3)    | 50                            | 0.5                 | 4.2             | 3.5                | 3.5                |

Dimensions (unit: mm)



Schematic



P/N:PER23T30XXX

Rev 01 1/10/17

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