

COMMON MODE CHOKE



P53DM16 SERIES



- Common mode choke with improved differential performance without sacrificing common mode performance
- Dielectric withstanding voltage: 1500 Vrms (between windings)
- Operating temperature range: 0°C to +70°C
- Custom design available upon request
- RoHS compliant product

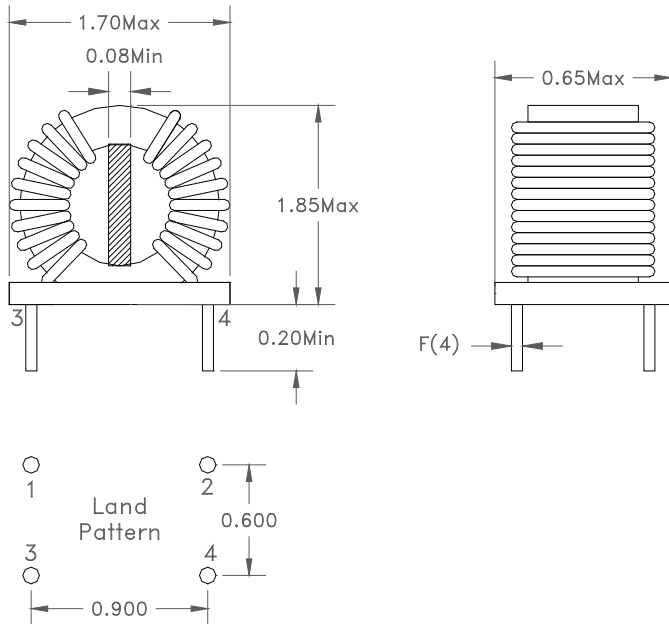
ELECTRICAL PARAMETERS @ 25°C

| Part Number | Inductance 1-3, 2-4 (mH Min) | Rated Irms (A) | Leakage Inductance 1-3 (shorted 2-4) (µH Min) | DCR (Ω MAX) | Dimension F (±0.005 inch) |
|-------------|------------------------------------|----------------------|---|----------------|---------------------------------|
| P53DM16- | | | | | |
| 402-6 | 4.0 | 5.0 | 40 | 0.026 | 0.046 |
| 502-5 | 5.0 | 4.5 | 60 | 0.032 | 0.046 |
| 702-4 | 7.0 | 4.0 | 80 | 0.052 | 0.040 |
| 103-3 | 10.0 | 3.0 | 100 | 0.072 | 0.036 |

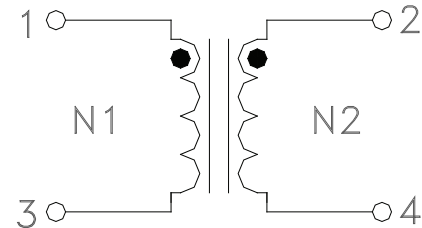
Note:

1. Inductance and Leakage Inductance measured: 10KHz, 1Vrms
2. Polarity: 1 and 2 are in phase
3. Turns Ratio: 1:1 ±1% (1-3 to 2-4)
4. ΔT of 35°C Temperature Rise at rated current

DIMENSIONS (mm)



SCHEMATIC



Dimensions

Unless otherwise specified, all tolerances are:
 inch: .XX : ±0.008 .XXX : ±0.004
 mm: X.X : ±0.20 X.XX : ±0.10

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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