

SURFACE MOUNT COMMON MODE CHOKES



- ➊ Small surface mount package
- ➋ Designed for 4 wire links, ISDN-S/T and T1/E1/CEPT
- ➌ High frequency choke for EMI reduction
- ➍ Low frequency choke for improved longitudinal balance in ISDN-S/T links

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

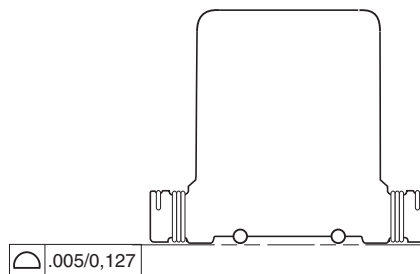
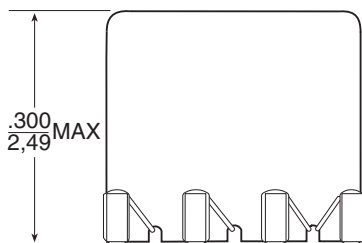
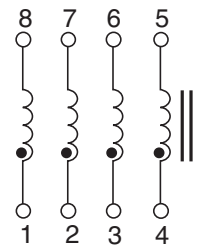
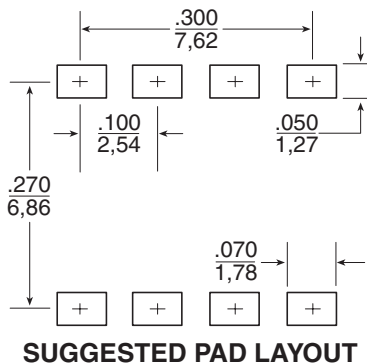
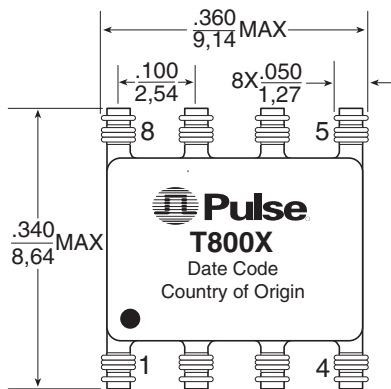
| Part Number | OCL Primary (±30%) | L _L Sec (μH MAX) | C _{w/w} (pF MAX) | DCR (Ω MAX) | Isolation (Vrms MIN) |
|-----------------------|-----------------------|--------------------------------|------------------------------|----------------|-------------------------|
| LOW FREQUENCY | | | | | |
| T8005 | 4.7 mH | 2.5 | 75 | 1.4 | 500 |
| HIGH FREQUENCY | | | | | |
| T8006 | 470 μH | 0.9 | 30 | 0.6 | 500 |

Note: RoHS-6 compliant parts can be ordered by adding a "NL" suffix to the part number (i.e. T8005 becomes T8005NL).

Mechanical

Schematic

HIT



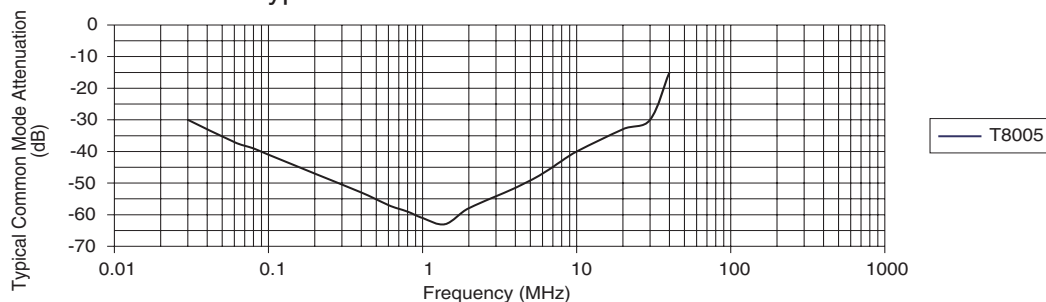
Weight 0.7 grams
Tape & Reel 450/reel

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

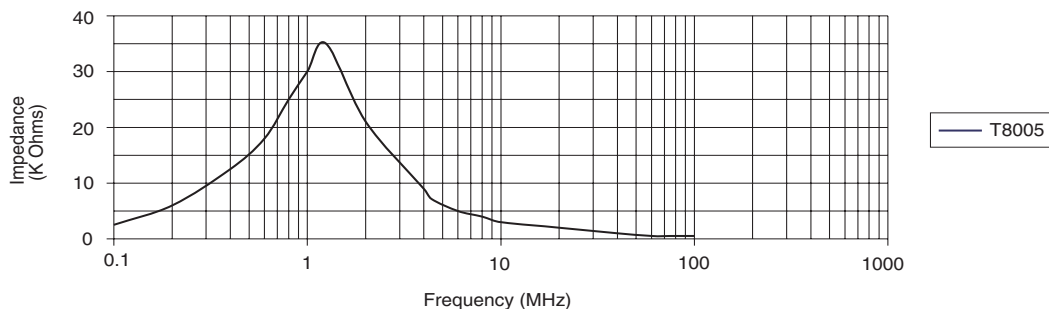
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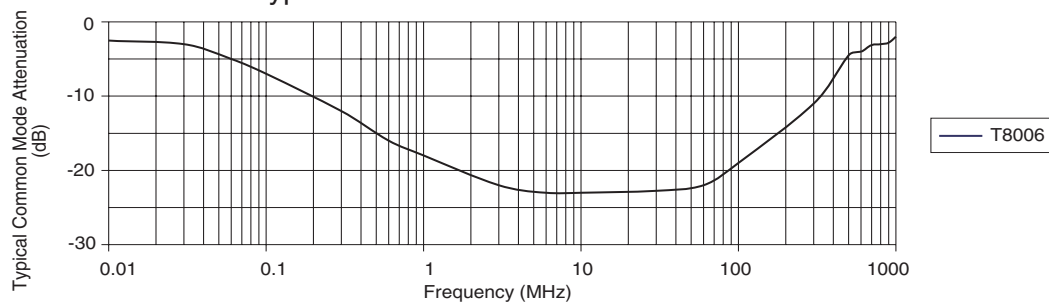
Typical Common Mode Attenuation



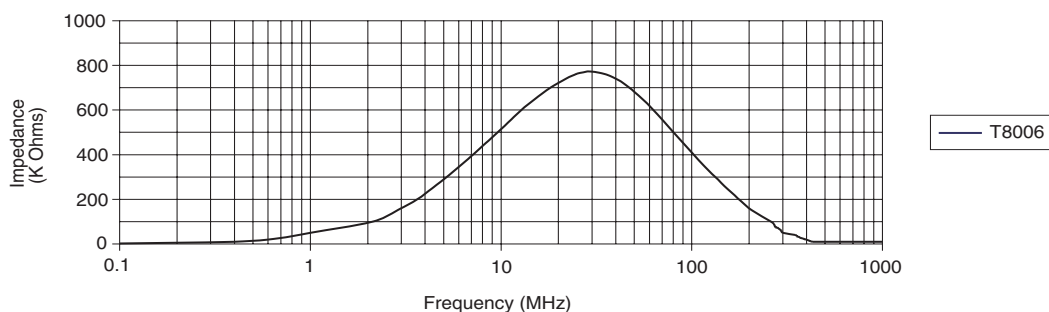
Typical Common Mode Impedance



Typical Common Mode Attenuation



Typical Common Mode Impedance



NOTE: All based on a 50 Ω system.

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