SURFACE MOUNT COMMON MODE CHOKES

Pulse® A TECHNITROL COMPANY

RoHS COMPLIANT



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

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

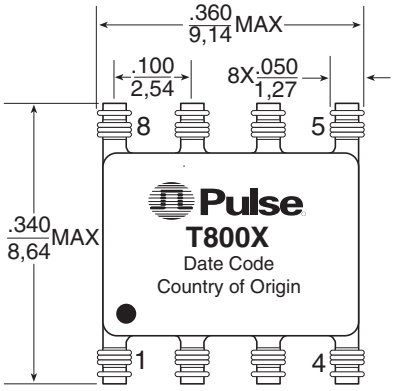
Part Number	OCL Primary (±30%)	L_L Sec (µH MAX)	$C_{W/W}$ (pF MAX)	DCR (Ω MAX)	Isolation (Vrms MIN)
LOW FREQUENCY					
T8005	4.7 mH	2.5	75	1.4	500
HIGH FREQUENCY					
T8006	470 µH	0.9	30	0.6	500

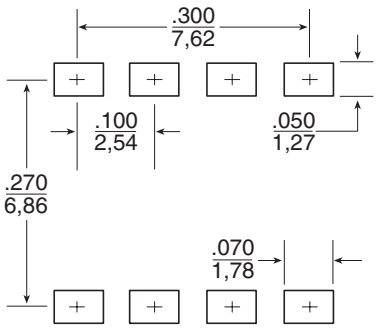
Note: RoHS-6 compliant parts can be ordered by adding a "**NL**" suffix to the part number (i.e. T8005 becomes T8005**NL**).

Mechanical

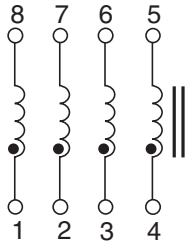
Schematic

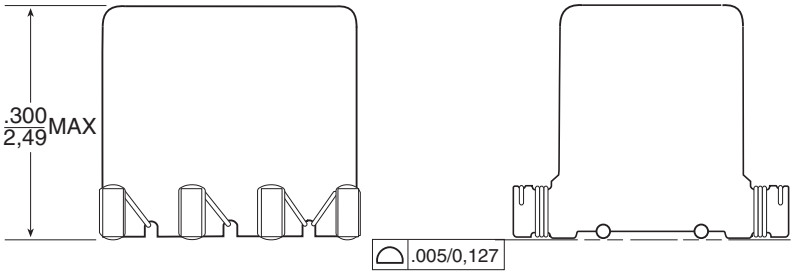
HIT





SUGGESTED PAD LAYOUT





Weight . . . . . .0.7 grams
Tape & Reel 450/reel

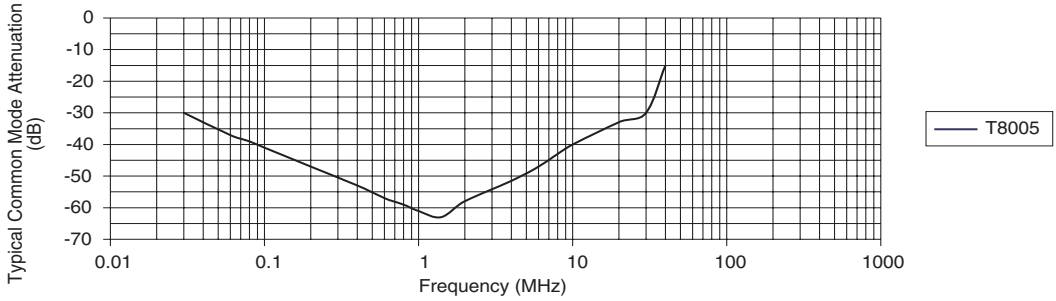
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

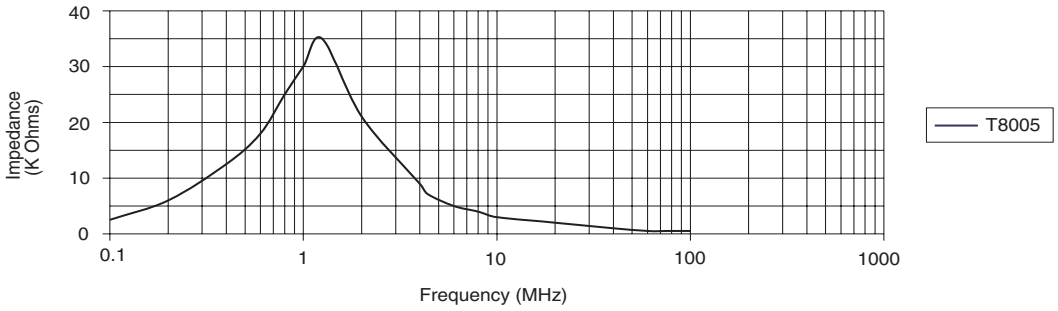
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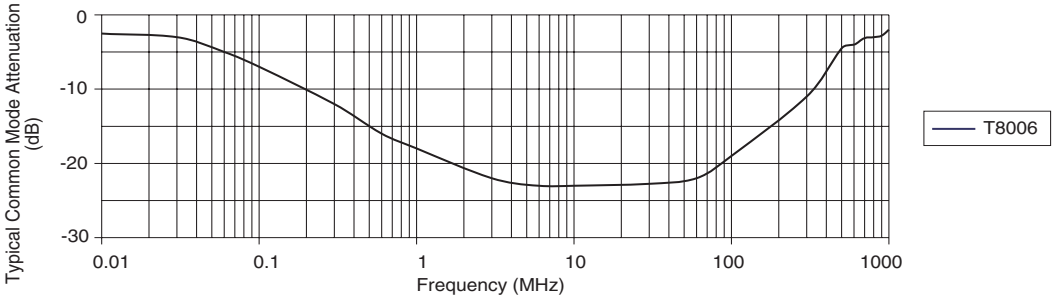
Typical Common Mode Attenuation



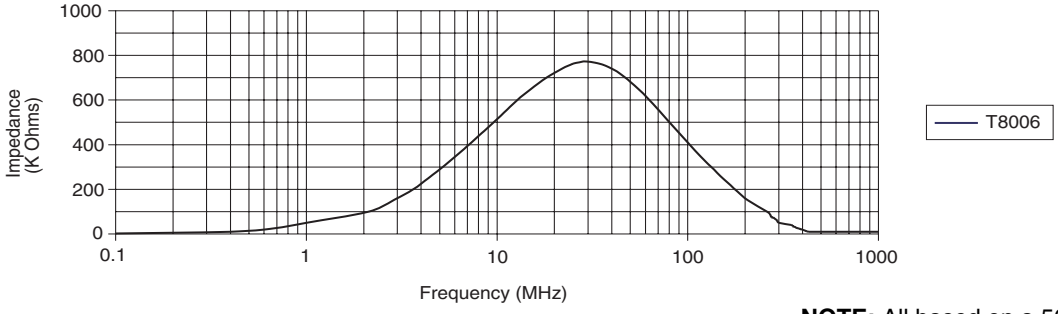
Typical Common Mode Impedance



Typical Common Mode Attenuation



Typical Common Mode Impedance



NOTE: All based on a 50 Ω system.

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