

## Excellent Integrated System Limited

Stocking Distributor

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[Pulse Electronics Corporation](#)  
[T8005NLT](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# SURFACE MOUNT COMMON MODE CHOKES



- 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

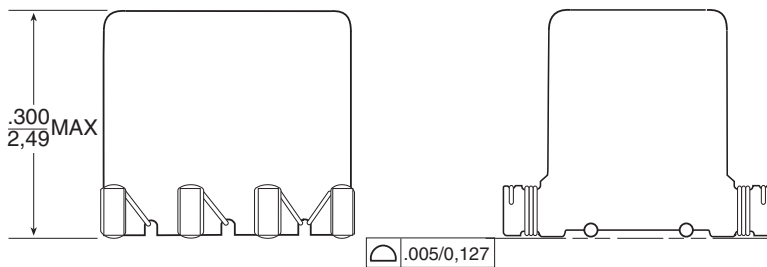
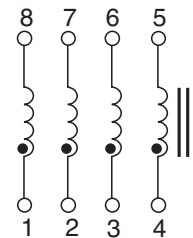
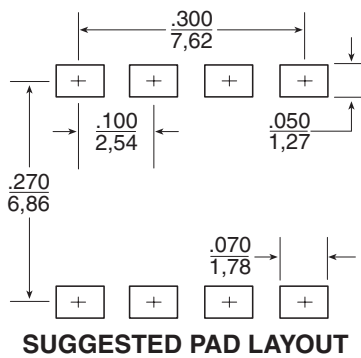
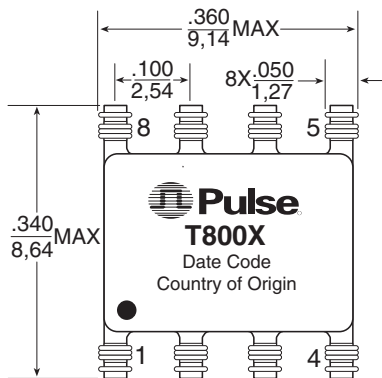
Part Number	OCL Primary (±30%)	L <sub>L</sub> Sec (μH MAX)	C <sub>ww</sub> (pF MAX)	DCR (Ω MAX)	Isolation (Vrms MIN)
<b>LOW FREQUENCY</b>					
<b>T8005</b>	4.7 mH	2.5	75	1.4	500
<b>HIGH FREQUENCY</b>					
<b>T8006</b>	470 μH	0.9	30	0.6	500

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

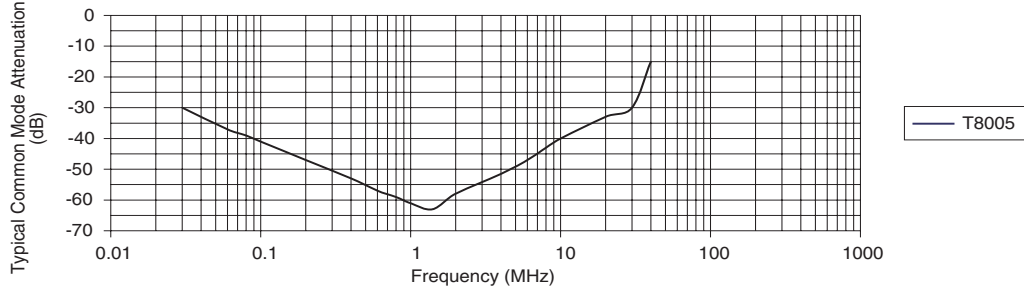


Weight .....0.7 grams  
 Tape & Reel .....450/reel  
 Dimensions: Inches  
                   mm  
 Unless otherwise specified,  
 all tolerances are ± .010  
                                   0.25

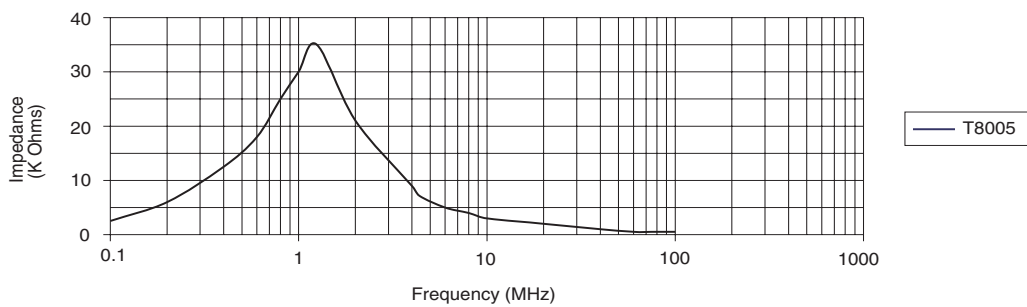
# SURFACE MOUNT COMMON MODE CHOKES



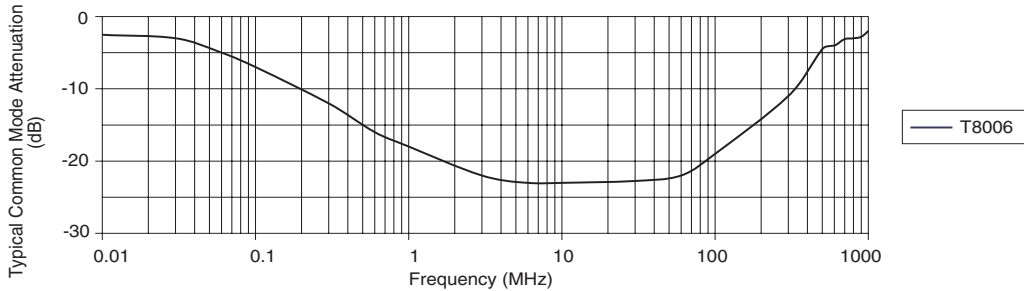
Typical Common Mode Attenuation



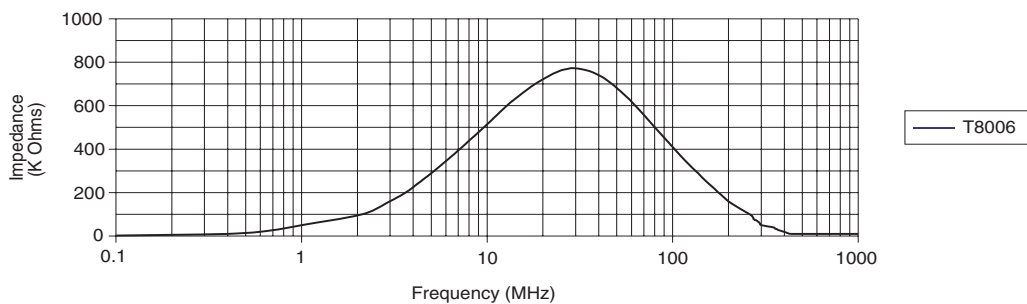
Typical Common Mode Impedance



Typical Common Mode Attenuation



Typical Common Mode Impedance



**NOTE:** All based on a 50 Ω system.

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