

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

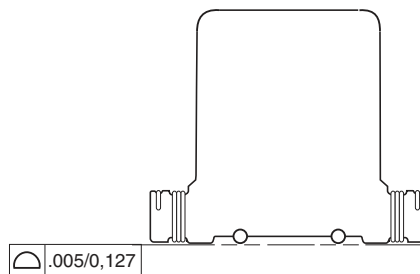
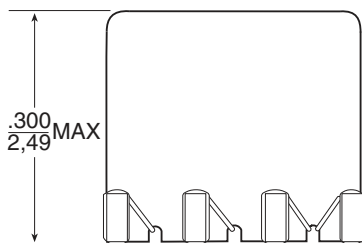
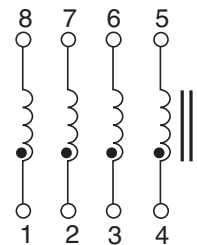
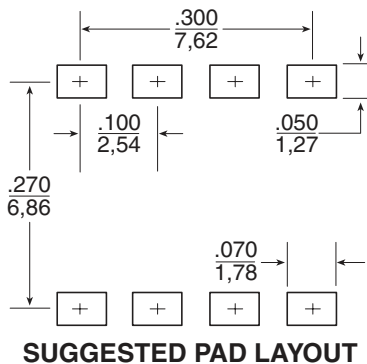
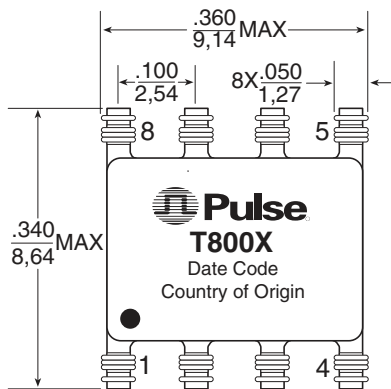
Part Number	OCL Primary (±30%)	L _L Sec (μH MAX)	C _{w/w} (pF MAX)	DCR (Ω MAX)	Isolation (Vrms MIN)
LOW FREQUENCY					
T8005	4.7 mH	2.5	75	1.4	500
HIGH FREQUENCY					
T8006	470 μH	0.9	30	0.6	500

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



Weight0.7 grams
Tape & Reel450/reel

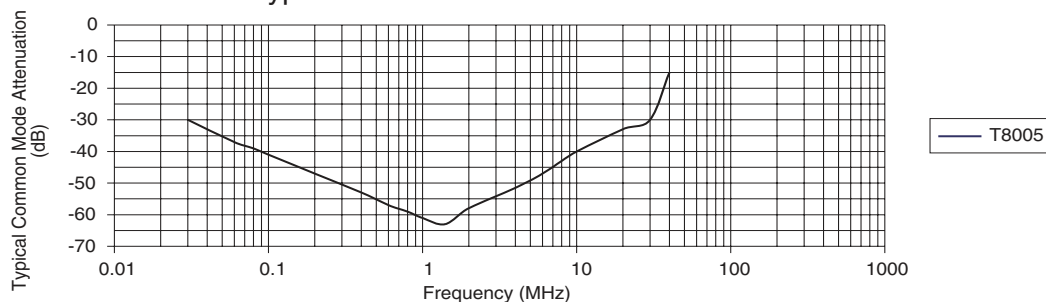
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

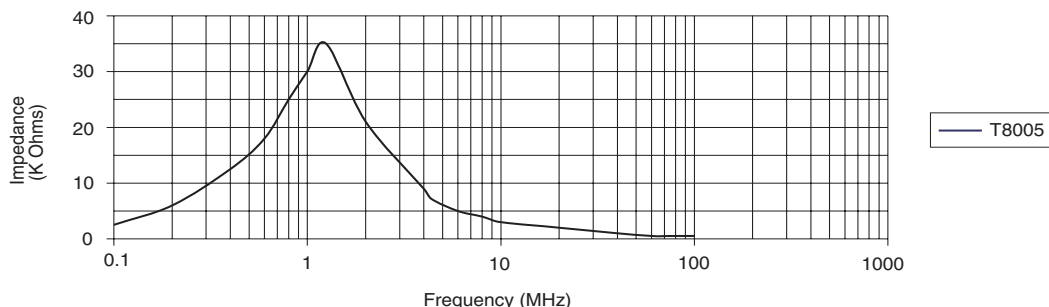
SURFACE MOUNT COMMON MODE CHOKES



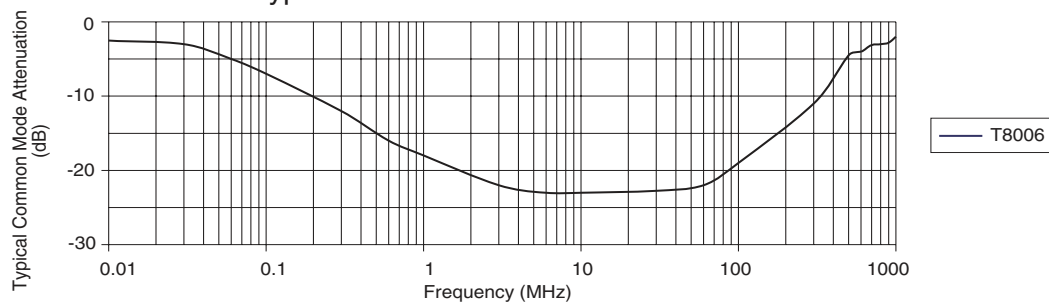
Typical Common Mode Attenuation



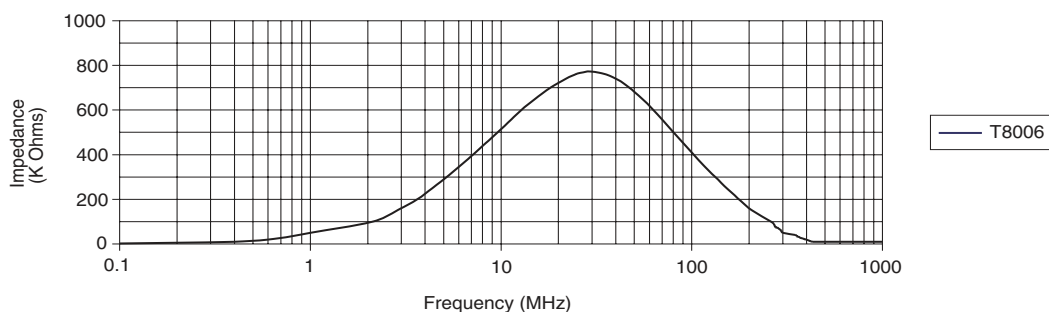
Typical Common Mode Impedance



Typical Common Mode Attenuation



Typical Common Mode Impedance



NOTE: All based on a 50 Ω system.

For More Information:

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA 92128
U.S.A.

www.pulseeng.com
TEL: 858 674 8100
FAX: 858 674 8262

Pulse Northern Europe

3 Huxley Road
Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom

TEL: 44 1483 401700
FAX: 44 1483 401701

Pulse Southern Europe

Zone Industrielle
F-39270
Orgelet
France

TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

Pulse China Headquarters

No. 1
Industrial District
Changan, Dongguan
China

TEL: 86 769 5538070
FAX: 86 769 5538870

Pulse North China

Room 1503
XinYin Building
No. 888 YiShan Road
Shanghai 200233
China

TEL: 86 21 54643211/2
FAX: 86 21 54643210

Pulse South Asia

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324

TEL: 65 6287 8998
FAX: 65 6280 0080

Pulse North Asia

No. 26
Kao Ching Road
Yang Mei Chen
Taoyuan Hsien
Taiwan, R. O. C.

TEL: 886 3 4641811
FAX: 886 3 4641911

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

© Copyright, 2006. Pulse Engineering, Inc. All rights reserved.

www.pulseeng.com

T639.B (2/06)