





# COMMON MODE CHOKES

## For DSL and Telecom Applications



-  Family of 2-wire Common Mode Chokes
-  Low profile surface mount package
-  Cost effective construction with Pulse SLIC patented technology
-  Range suited for many DSL and Telecom applications

### Electrical Specifications @ 25°C / 80 Vdc — Operating Temperature -40°C to +85°C

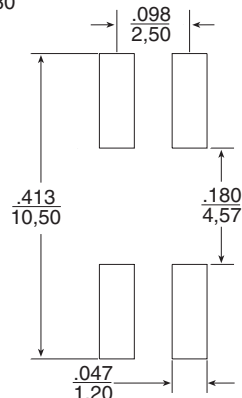
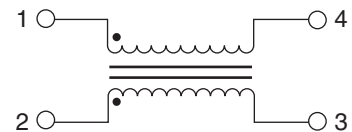
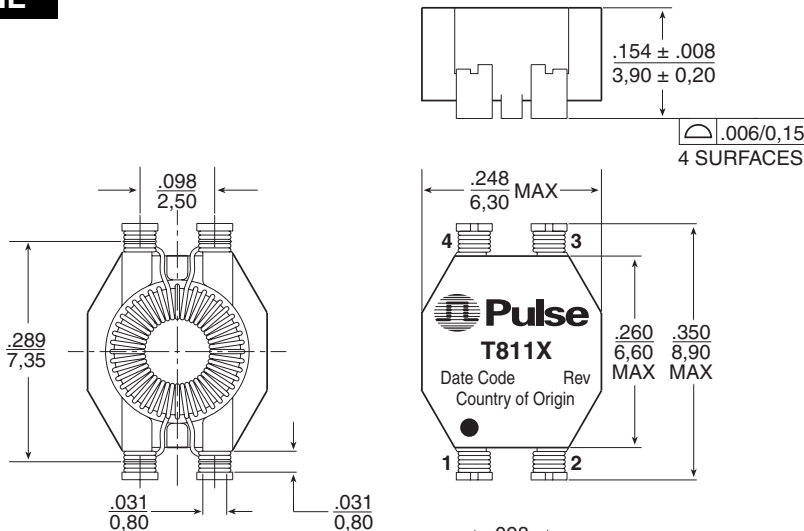
Standard Part Number	RoHS-6 Compliant Part Number	OCL (mH +50% / -30%)	L <sub>L</sub> (μH TYP)	DCR (Ω MAX)	Current Rating (mAdc)	Isolation (Vrms)
T8116T	T8116NLT	0.47	0.2	0.3	700	500
T8112T	T8112NLT	1.00	0.2	0.3	700	500
T8113T	T8113NLT	2.20	0.25	0.4	500	500
T8114T	T8114NLT	4.70	0.4	0.7	400	500

**NOTE:** Other custom inductance values available on request. Tube version available for sampling. Please contact Pulse Applications Engineering.

### Mechanical

### Schematic

PIL



SUGGESTED PAD LAYOUT

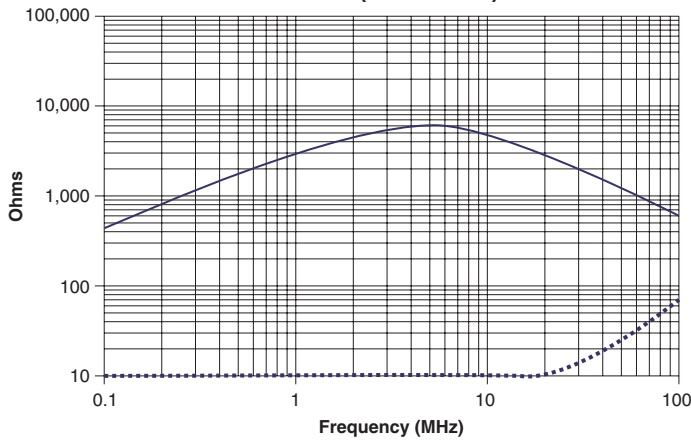
Weight ..... 0.2 grams  
 Tape & Reel ..... .1600/reel  
 Dimensions: Inches  
                   mm  
 Unless otherwise specified,  
 all tolerances are ± .010  
                           0,25

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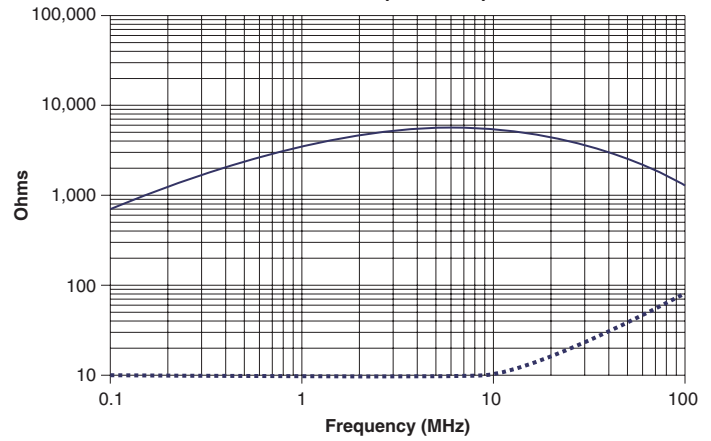


Impedance in Common Mode and Differential Mode  
T8116 (2 x 0.47mH)



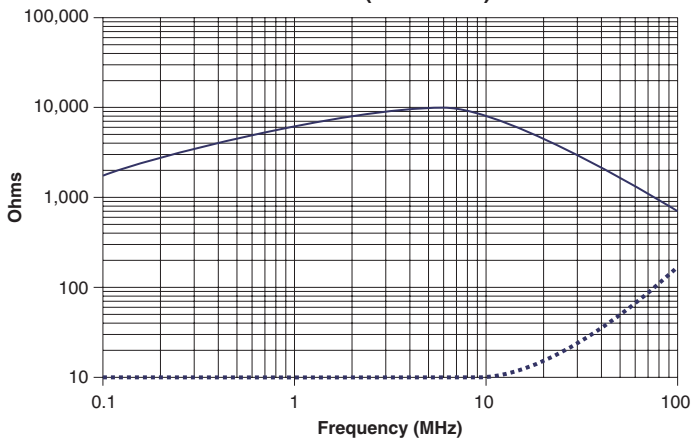
— Common Mode  
..... Differential Mode

Impedance in Common Mode and Differential Mode  
T8112 (2 x 1mH)



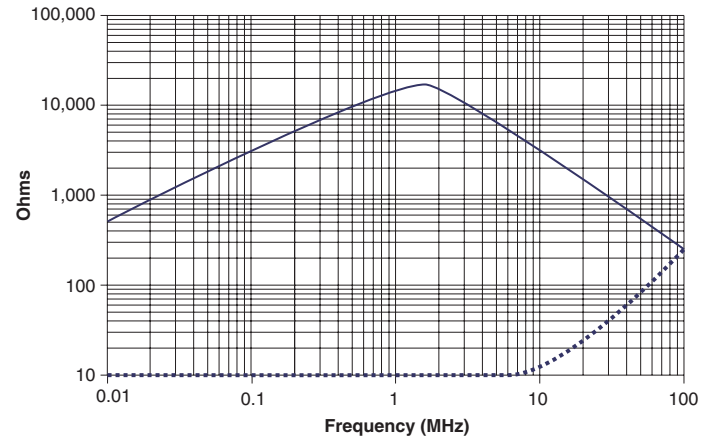
— Common Mode  
..... Differential Mode

Impedance in Common Mode and Differential Mode  
T8113 (2 x 2.2mH)



— Common Mode  
..... Differential Mode

Impedance in Common Mode and Differential Mode  
T8114 (2 x 4.7mH)



— Common Mode  
..... Differential Mode

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