

# Common Mode Chokes For ADSL and VDSL



- RoHS peak reflow solder temperature rating 245°C
- RoHS peak wave solder temperature rating 260°C
- For use in XDSL interfaces
- Effective reduction of C.M. noise caused by AM broadcast or ham radio
- Isolation 1500V line to line

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

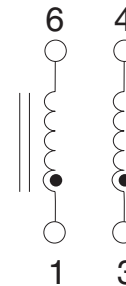
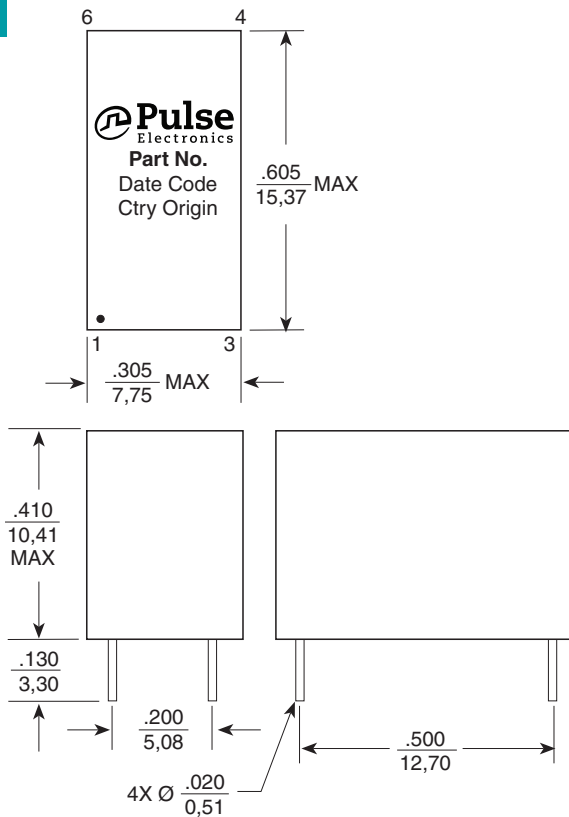
RoHS Compliant Part No.	C.M. Attenuation (dB TYP)			Isolation Voltage (Vrms)	Mounting
	@ 500kHz	@ 1kHz	@ 10kHz		
B4001NL	45	49	35	1500	THT
B4003NL	45	49	35	1500	SMT
BX4053NL	45	49	35	150	SM

Notes: Surge Voltage Capability - Metallic: 800Vpeak 10/560sec. Long.: 2400Vpeak 10/700sec. BX4053NL is a dual choke. Please add the suffix "T" for Tape & Reel orders (i.e. B4003NL becomes B4003NLT).

### Mechanical

### Schematic

#### B4001NL



Weight .....2.2grams

Tube .....60/tube

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

Unless otherwise specified,  
all tolerances are  $\pm \frac{.010}{0,25}$

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

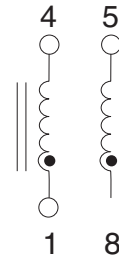
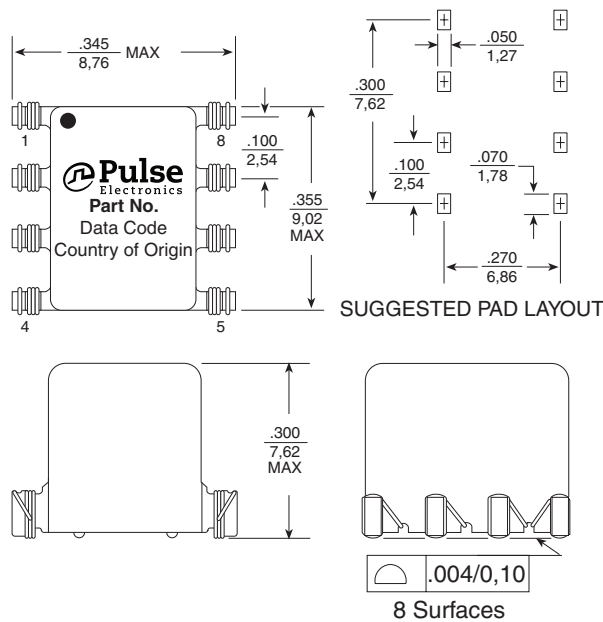
Taiwan 886 3 4356768

# Common Mode Chokes For ADSL and VDSL

## Mechanicals (continued)

## Schematics

### B4003NL

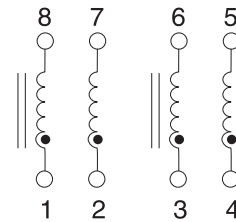
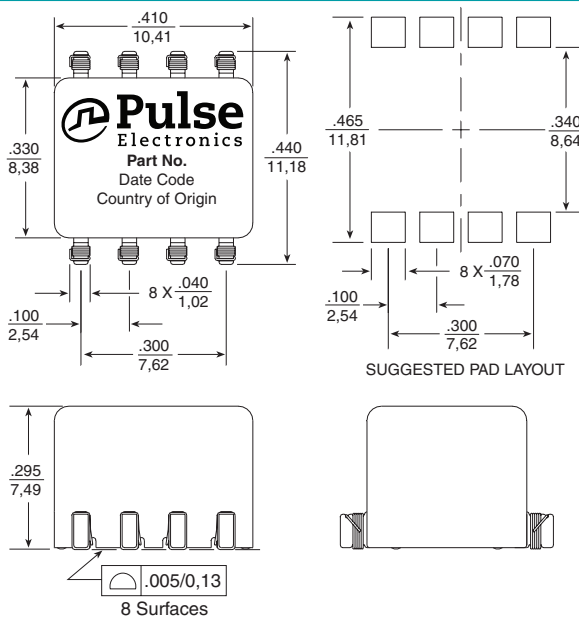


Weight .....1.0grams  
Tape & Reel .....425/reel  
Tube .....50/tube

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

Unless otherwise specified,  
all tolerances are  $\pm \begin{matrix} .010 \\ 0,25 \end{matrix}$

### BX4053NL



Weight .....2.1grams  
Tape & Reel .....400/reel  
Tube .....50/tube

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

Unless otherwise specified,  
all tolerances are  $\pm \begin{matrix} .010 \\ 0,25 \end{matrix}$

## For More Information

**Pulse Worldwide Headquarters**  
12220 World Trade Drive  
San Diego, CA  
92128  
U.S.A.

**Pulse Europe**  
Einsteinstrasse 1  
D-71083 Herrenberg  
Germany  
Tel: 49 7032 78060  
Fax: 49 7032 7806 135

**Pulse China Headquarters**  
B402, Shenzhen Academy of  
Aerospace Technol-  
ogy Bldg.  
10th Kejian Road  
High-Tech Zone  
Nanshan District  
Shenzhen, PR China  
518057  
Tel: 86 755 3396678  
Fax: 86 755 33966700

**Pulse North China**  
Room 2704/2705  
Super Ocean Finance  
Ctr.  
2067 Yan An Road  
West  
Shanghai 200336  
China  
Tel: 86 21 62787060  
Fax: 86 2162786973

**Pulse South Asia**  
135 Joo Seng Road  
#03-02  
PM Industrial Bldg.  
Singapore 368363  
Tel: 65 6287 8998  
Fax: 65 6287 8998

**Pulse North Asia**  
3F, No. 198  
Zhongyuan Road  
Zhongli City  
Taoyuan County 320  
Taiwan R. O. C.  
Tel: 886 3 4356768  
Fax: 886 3 4356823 (Pulse)  
Fax: 886 3 4356820 (FRE)

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, 2012. Pulse Electronics, Inc. All rights reserved.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[B4003](#) [B4003NL](#) [B4003NLT](#)