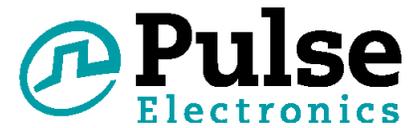


# ADSL Frequency Filter Inductors



- Excellent THD performance in a small footprint
- Used exclusively for frequency filtering
- SMT compact footprint
- Matched to various manufacturers' ADSL chipsets

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

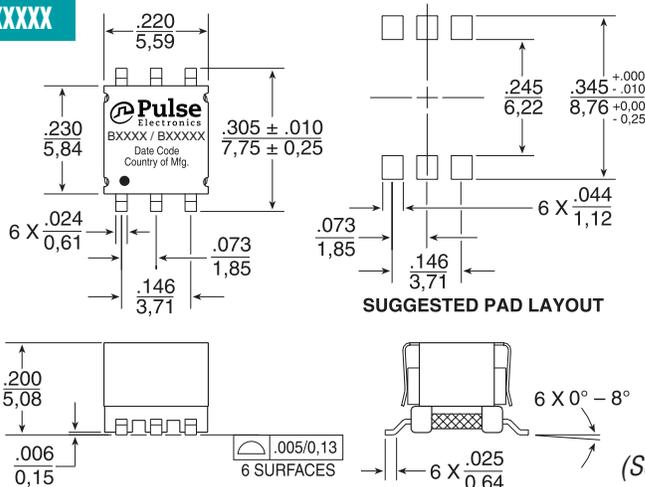
Part Number	Application	Turns Ratio (±2%)	Inductance (μH MAX ±7%)	DC Resistance (Ω MAX)	Isolation Voltage (Vrms)	Schematic
BX8153	CPE	(1-3)/(4-6) 1:1	(1-3) = (4-6) = 5.0	(1-3) = (4-6) 0.7	500	1
BX2125A	CO	(1-3)/(2-5) 1:1	(1-6) = (2-5) = 50	(1-6) = (2-5) 2.0	500	2
BX2198	CPE	(2-3)/(4-5) 1:1	(2-3) = (4-5) = 74	(2-3) = (4-5) 5.0	500	3
BX2184	CPE	(1-5)/(2-5) 1:1	(1-5) = (2-4) = 91	(1-5) = (2-4) 3.5	500	4
BX8195	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 102.5	(1-6) = (2-5) 6.0	500	2
BX8254W	CPE	(1-3)/(4-6) 1:1	(1-3) = (4-6) = 110	(1-3) = (4-6) = 2.5	500	1
BX8082	CPE	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 140	(1-6) = (2-5) = 6.0	500	2
B2126A	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 170	(1-6) = (2-5) = 6.5	500	2
B2208	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 170	(1-6) = (2-5) = 4.0	500	2
BX8253W	CPE	(1-3)/(4-6) 1:1	(1-6) = (2-5) = 500	(1-3) = (4-6) = 4.8	500	1
B2155	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 500	(1-6) = (2-5) = 6.0	500	2
BX8118	CO	(1-3)/(4-6) 1:1	(1-3) = (4-6) = 282	(1-3) = (4-6) = 9.0	500	1
B2209	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 300	(1-6) = (2-5) = 7.0	500	2
B2127A	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 340	(1-6) = (2-5) = 7.5	500	2
B2210	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 455	(1-6) = (2-5) = 9.0	500	2
BX2128	CPE	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 500	(1-6) = (2-5) = 12.0	500	2
BX8115	CO	(1-3)/(4-6) 1:1	(1-3) = (4-6) = 500	(1-3) = (4-6) = 9.0	500	1

**Notes:** Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to this part number (i.e. BX8153T).

### Mechanical

### Schematic

BXXXX / BXXXXX



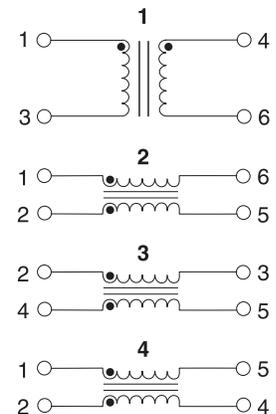
Weight .....0.38 grams

Tape & Reel .....1000/reel

Tray .....80/tray

Dimensions: Inches / mm

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



(See page two for ADSL Frequency Inductor Selection Guide)

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

# ADSL Frequency Filter Inductors

## ADSL Frequency Inductor Selection Guide

IC Manufacturer & Part Number	Part Number	Inductance	Application
<b>For General Use</b>			
	<b>B2184</b>	91.0 $\mu$ H	CPE
	<b>B2198</b>	74.0 $\mu$ H	CPE
	<b>BX2128</b>	500.0 $\mu$ H	CPE
	<b>BX8082</b>	140.0 $\mu$ H	CPE
<b>STMicroelectronics (Alcatel)</b>			
<b>MTB-20850/MTB-21250</b>	<b>BX8115</b>	500.0 $\mu$ H	CO
	<b>BX8118</b>	282.0 $\mu$ H	CO
	<b>BX8253W</b>	185.0 $\mu$ H	CPE
	<b>BX8254W</b>	110.0 $\mu$ H	CPE
<b>MTB-20150/MTB-20170</b>	<b>BX8153</b>	5.0 $\mu$ H	CPE
<b>NOTE:</b> For other DynaMiTe Chipsets, see Datasheet <b>B963</b> for alternative Inductor shapes and values.			
<b>Centillum</b>			
<b>CT-L50SC04</b>	<b>B2208</b>	170.0 $\mu$ H	CO
	<b>B2209</b>	300.0 $\mu$ H	CO
	<b>B2210</b>	455.0 $\mu$ H	CO
<b>Globalspan Virata</b>			
<b>G7000 (DMT/CAP)</b>	<b>B2125A</b>	50.0 $\mu$ H	CO
	<b>B2126A</b>	170.0 $\mu$ H	CO
	<b>B2127A</b>	340.0 $\mu$ H	CO
	<b>B2155</b>	205.0 $\mu$ H	CO
<b>G7000 (DMT/CAP)</b>	<b>BX8195</b>	102.5 $\mu$ H	CO

### Legerity

**NOTE:** For Coupled Inductors matched to Legerity CO Line Drivers & Chipsets, See Datasheet **B804**

### For More Information

#### Pulse Worldwide Headquarters

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

Tel: 858 674 8100  
Fax: 858 674 8262

#### 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 Technology Bldg.  
10th Kejinan Road  
High-Tech Zone  
Nanshan District  
Shenzhen, PR China  
518057  
Tel: 86 755 33966678  
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:

[B2127A](#) [BX8153NL](#) [BX8153NLT](#) [BX8153T](#) [B2127AT](#) [B2126A](#) [B2126AT](#) [BX8153](#) [BX8115](#)