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# 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

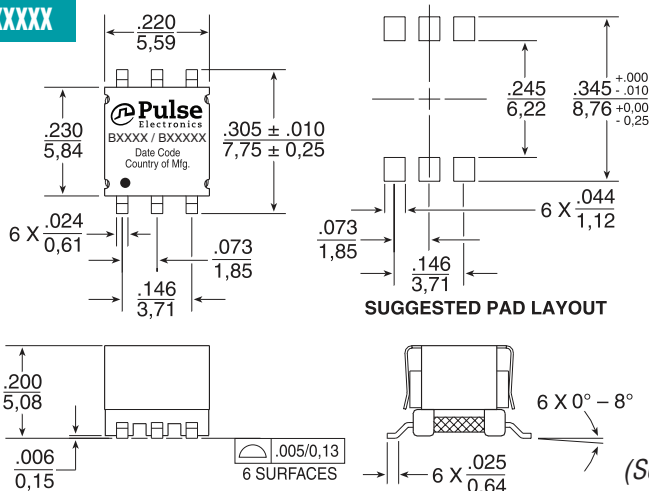
Part Number	Application	Turns Ratio (±2%)	Inductance (μH MAX ±7%)	DC Resistance (Ω MAX)	Isolation Voltage (Vrms)	Schematic
BX8153	CPE	(1-3)/(4-6) 1:1	(1-3) = (4-6) = 5.0	(1-3) = (4-6) 0.7	500	1
BX2125A	CO	(1-3)/(2-5) 1:1	(1-6) = (2-5) = 50	(1-6) = (2-5) 2.0	500	2
BX2198	CPE	(2-3)/(4-5) 1:1	(2-3) = (4-5) = 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 / BXXXX



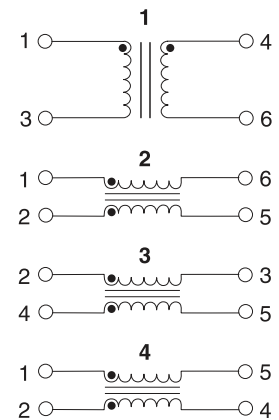
**Weight** .....0.38 grams

**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**

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