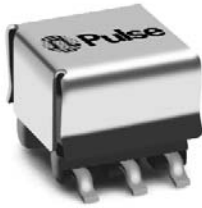


# ADSL FREQUENCY FILTER INDUCTORS



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

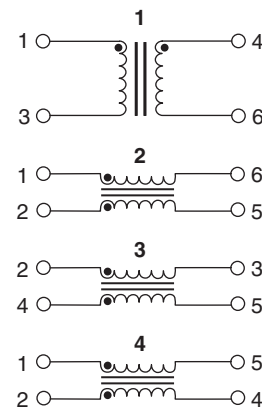
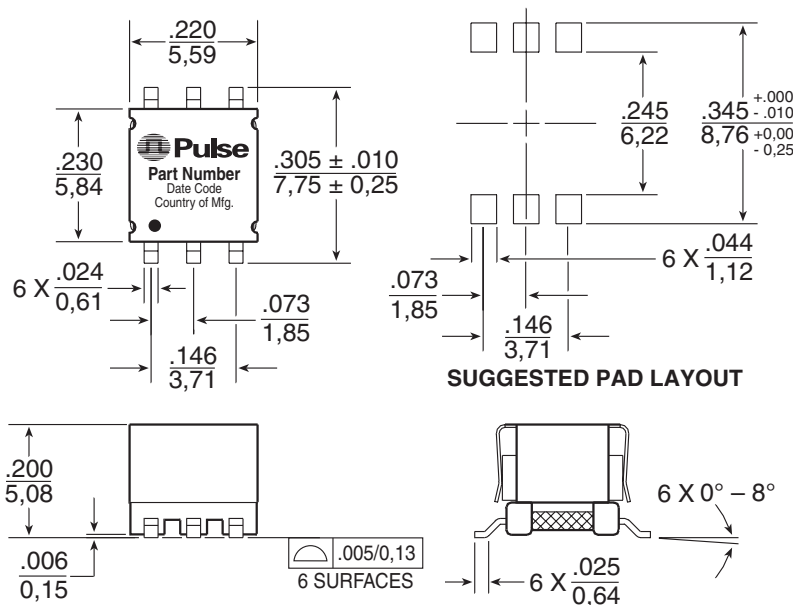
## Electrical Specifications @ 25°C — Operating Temperature -40°C to 85°C

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
B2125A	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 50	(1-6) = (2-5) = 2.0	500	2
B2198	CPE	(2-3)/(4-5) 1:1	(2-3) = (4-5) = 74	(2-3) = (4-5) = 5.0	500	3
B2184	CPE	(1-5)/(2-4) 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	(1-3) = (4:6) = 185	(1-3) = (4:6) = 4.8	500	1
B2155	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 205	(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

NOTE: 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



Weight . . . . .0.38 grams  
 Tape & Reel . . . . .1000/reel  
 Tray . . . . .80/tray  
 Dimensions: Inches  
                   mm  
 Unless otherwise specified, all tolerances are ±  $\frac{.010}{0.25}$

(See page two for ADSL Frequency Inductor Selection Guide)

# ADSL FREQUENCY FILTER INDUCTORS



## ADSL Frequency Inductor Selection Guide

IC Manufacturer & Part Number	Part Number	Inductance	Application
<b>For General use</b>			
	B2184	91.0 $\mu$ H	CPE
	B2198	74.0 $\mu$ H	CPE
	BX2128	500.0 $\mu$ H	CPE
	BX8082	140.0 $\mu$ H	CPE

### STMicroelectronics (Alcatel)

<b>MTB-20850/MTB-21250</b>	BX8115	500.0 $\mu$ H	CO
	BX8118	282.0 $\mu$ H	CO
	BX8253W	185.0 $\mu$ H	CPE
	BX8254W	110.0 $\mu$ H	CPE
<b>MTB-20150/MTB-20170</b>	BX8153	5.0 $\mu$ H	CPE

**NOTE:** For other DynaMiTe Chipsets, see Datasheet **B963** for alternative Inductor shapes and values.

### Centillum

<b>CT-L50SC04</b>	B2208	170.0 $\mu$ H	CO
	B2209	300.0 $\mu$ H	CO
	B2210	455.0 $\mu$ H	CO

### GlobespanVirata

<b>G7000 (DMT/CAP)</b>	B2125A	50.0 $\mu$ H	CO
	B2126A	170.0 $\mu$ H	CO
	B2127A	340.0 $\mu$ H	CO
	B2155	205.0 $\mu$ H	CO
<b>Titanium Express</b>	BX8195	102.5 $\mu$ H	CO

### Legerity

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

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