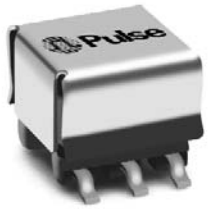
ADSL FREQUENCY FILTER INDUCTORS

Pulse
A TECHNITROL COMPANY



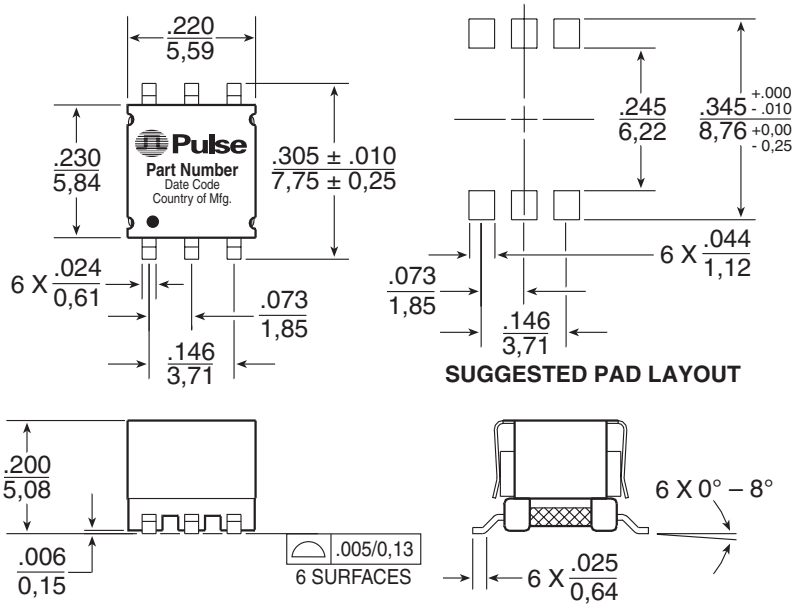
- Excellent THD performance in a small footprint
- Used exclusively for frequency filtering
- SMT compact footprint
- Matched to various manufacturers' ADSL chipsets

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

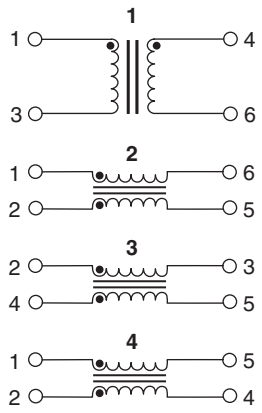
Part Number	Application	Turns Ratio (±2%)	Inductance (µH MAX ±7%)	DC Resistance (Ω MAX)	Isolation Voltage (Vrms)	Schematic
BX8153	CPE	(1-3)/(4:6) 1:1	(1-3) = (4-6) = 5.0	(1-3) = (4-6) = 0.7	500	1
B2125A	CO	(1-6)/(2-5) 1:1	(1-6) = (2-5) = 50	(1-6) = (2-5) = 2.0	500	2
B2198	CPE	(2-3)/(4-5) 1:1	(2-3) = (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. BX8153**T**).

Mechanical



Schematic



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)

ADSL FREQUENCY FILTER INDUCTORS

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ADSL Frequency Inductor Selection Guide

IC Manufacturer & Part Number	Part Number	Inductance	Application
For General use			
	B2184	91.0µH	CPE
	B2198	74.0µH	CPE
	BX2128	500.0µH	CPE
	BX8082	140.0µH	CPE
STMicroelectronics (Alcatel)			
MTB-20850/MTB-21250	BX8115	500.0µH	CO
	BX8118	282.0µH	CO
	BX8253W	185.0µH	CPE
	BX8254W	110.0µH	CPE
MTB-20150/MTB-20170	BX8153	5.0µH	CPE

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

Centillium			
CT-L50SC04	B2208	170.0µH	CO
	B2209	300.0µH	CO
	B2210	455.0µH	CO
GlobespanVirata			
G7000 (DMT/CAP)	B2125A	50.0µH	CO
	B2126A	170.0µH	CO
	B2127A	340.0µH	CO
	B2155	205.0µH	CO
Titanium Express	BX8195	102.5µH	CO

Legerity

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

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