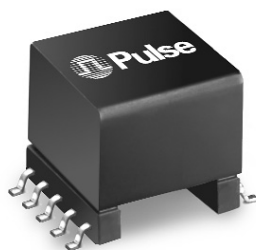


# ADSL LINE TRANSFORMERS



- For use with Analog Devices AD20msp930 ADSL Chipset (Central Office)
- Excellent THD performance in a small footprint
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for working voltages up to 250 Vrms

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

Part Number	Mounting	Application	Turns Ratio (10-7):(1-4) (± 2%)	OCL @ 10 KHz, 0.1 V (mH - MIN)		Leakage Inductance @ 100 KHz, 0.1 V (MAX) (10-7) with 2-3, 1-4, 8-9 shorted	Longitudinal Balance (10 KHz - 1.1 MHz)
				(1-4) with 2-3 shorted	(10-7) with 8-9 shorted		
B2162	SMT	CO	1:1.1	2.03	1.75	7.5 µH	50 dB MIN

## Additional Specifications

Part Number	THD Typical (Linearity)	Load Resistance (Ω)	DC Resistance (Ω - MAX)		Isolation Voltage (Vrms)	Insertion Loss <sup>1</sup> (dB @ 300 KHz)
			(1-4) with 2-3 shorted	(10-7) with 8-9 shorted		
B2162	-80 dB @ 30 KHz	100	1.30	1.50	1500	<0.5

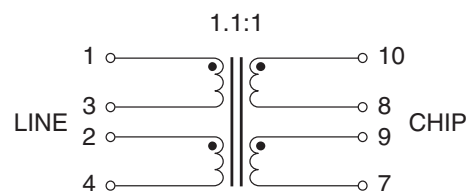
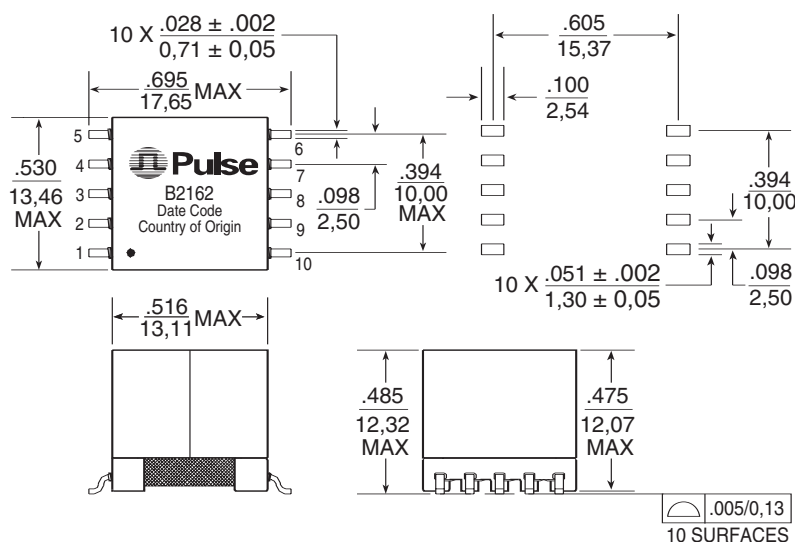
<sup>1</sup> Frequency Response: ± 1.0 dB MAX, from 30 KHz to 1.1 MHz.

<sup>2</sup> Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to this part number (B2162T)

## Mechanical

## Schematic

### B2162



Weight . . . . . 6.2 grams

Tape & Reel . . . . . 150/reel

Tray . . . . . 60/tray

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

Unless otherwise specified, all tolerances are ±  $\frac{.010}{0.25}$

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