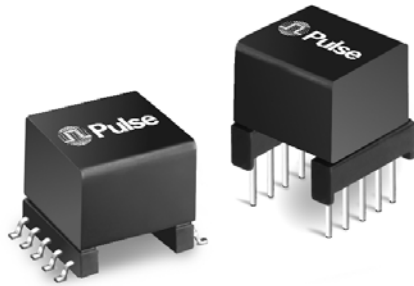


ADSL LINE TRANSFORMERS



- ☐ Recommended by Analog Devices for use with their AD20msp910/AD20msp918 ADSL Chipsets
- ☐ Excellent THD performance in a small footprint
- ☐ Approved to 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	Turns Ratio (± 2%)	OCL @ 10 KHz, 0.1 V (mH ± 10%)		Leakage Inductance @ 100 KHz, 0.1 V (MAX) (1-4) with 2-3, 8-9, 10-7 shorted	Longitudinal Balance (25 KHz - 1.1 MHz)
			(1-4) with 2-3 shorted	(10-7) with 8-9 shorted		
B2031	THT	1:1	5.0	5.0	18.0 µH	40 dB MIN
B2032	SMT	1:1	5.0	5.0	18.0 µH	40 dB MIN

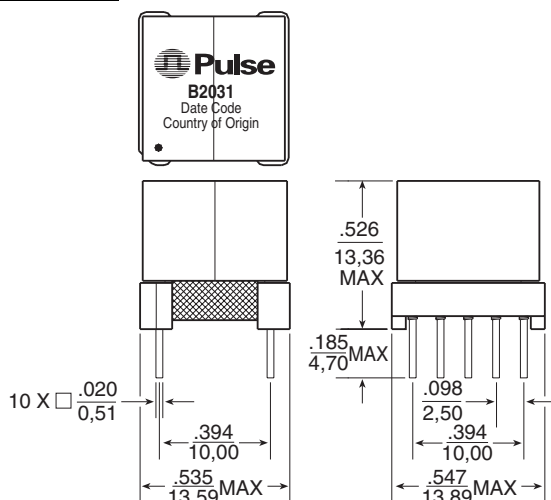
Additional Specifications

Part Number	THD (Linearity)	Load Resistance (Ω)	DC Resistance (1-4), (10-7)	Isolation Voltage (Vrms)	Insertion Loss ¹ (dB @ 100 KHz)
B2031	-80 dB @ 30 KHz	100	3 Ω MAX	1500	<0.5
B2032	-60 dB @ 300 KHz	100	3 Ω MAX	1500	<0.5

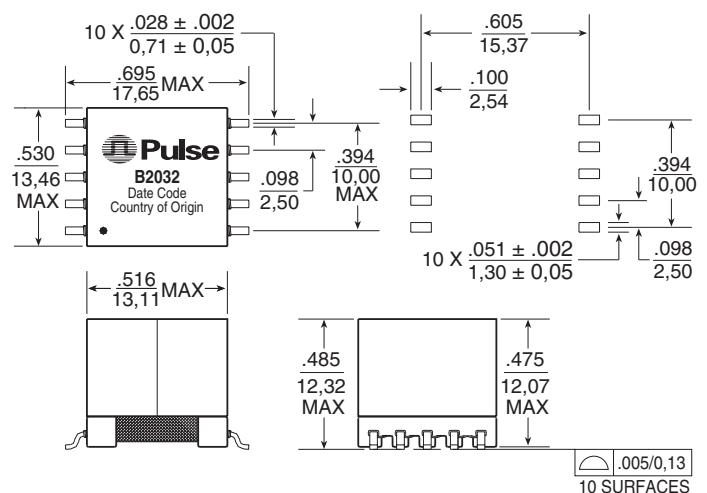
¹ Frequency Response: ± 1.0 dB MAX, from 30 KHz to 1.1 MHz.

Mechanicals

B2031



B2032

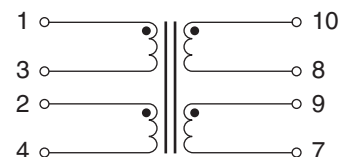


Weight 6.2 grams

Tray 60/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are ± $\frac{.010}{0.25}$

Schematic



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Distributor

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PRELIMINARY B906.P (11/98)