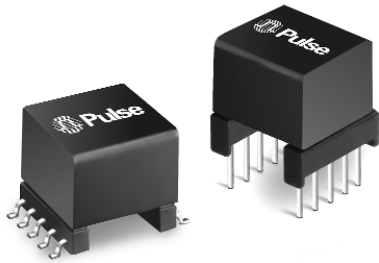


ADSL LINE TRANSFORMERS



- Recommended by Analog Devices for use with their AD20msp918 ADSL Chipset
- Excellent THD performance in a small footprint
- Designed to UL1950 and EN60950 supplementary insulation requirements for working voltages up to 250 Vrms

Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	Mounting	Turns Ratio (± 2%)	OCL @ 10 KHz, 0.1 V (MIN)		Leakage Inductance @ 100 KHz, 0.1 V (MAX) (1-4) with 2-3, 8-9, 10-7 shorted	Longitudinal Balance (30 KHz - 1.1 MHz)
			(1-4) with 2-3 shorted	(10-7) with 8-9 shorted		
B2104	THT	1:1.27	1.80	2.90	7.5 µH	50 dB MIN
B2105 ²	SMT	1:1.27	1.80	2.90	7.5 µH	50 dB MIN

Additional Specifications

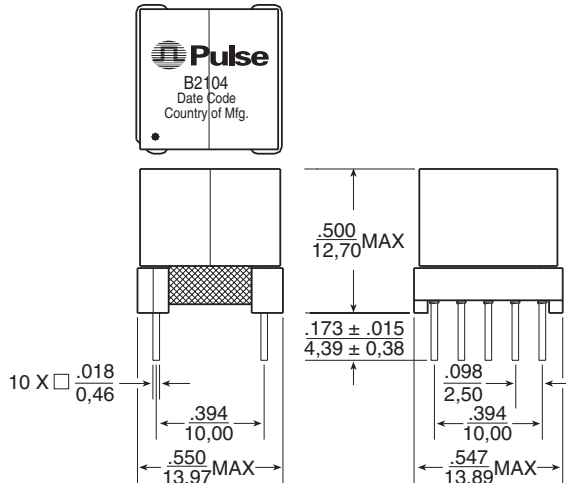
Part Number	THD Typical (Linearity)	Load Resistance (Ω)	DC Resistance (1-4), (10-7)	Isolation Voltage (Vrms)	Insertion Loss ¹ (dB @ 100 KHz)
B2104	-80 dB @ 30 KHz	100	2 Ω MAX	1500	<0.5
B2105 ²		100	2 Ω MAX	1500	<0.5

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

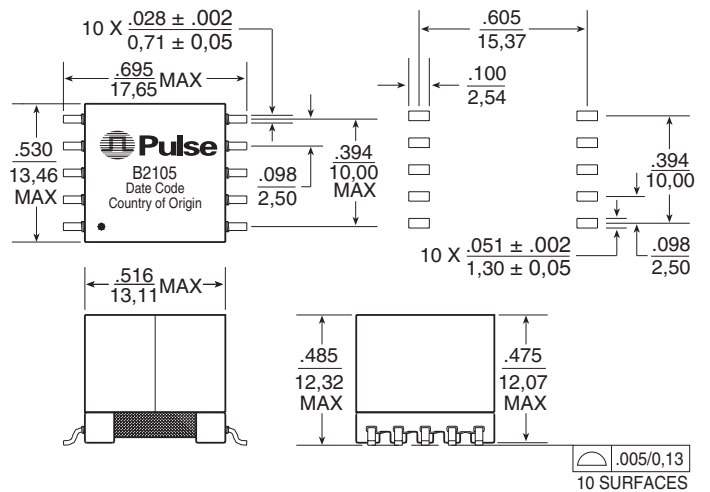
² Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to this part number (B2105T)

Mechanicals

B2104



B2105



Weight 6.2 grams

Tray60/tray

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

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PRELIMINARY B950.P (9/99)

