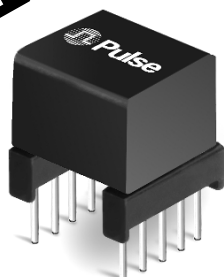


ADSL LINE TRANSFORMERS



NEW!



- For use with Globespan ADSL/RADSL Line Driver IC (EL-1501) at the Customer Premise
- Excellent THD performance in a small footprint
- Approved to UL1950 supplementary insulation requirements for working voltages up to 250 Vrms

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

Part Number	Application	Mounting	Turns Ratio (1-3):(10-8), (2-4):(9-7) (1-3):(2-4)	OCL @ 10 KHz, 0.1 V (1-4) with (2-3) shorted	Leakage Inductance @ 300 KHz, 0.1 V (1-4) with (2-3), (7-10) and (8-9) shorted	Longitudinal Balance (from 30 KHz to 1.1 MHz)
B2139	CPE	THT	1:1 (± 2%)	407 µH (± 5%)	10.0 µH MAX	-50 dB MIN

Additional Specifications

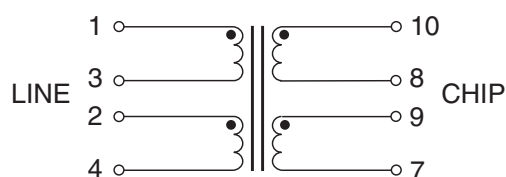
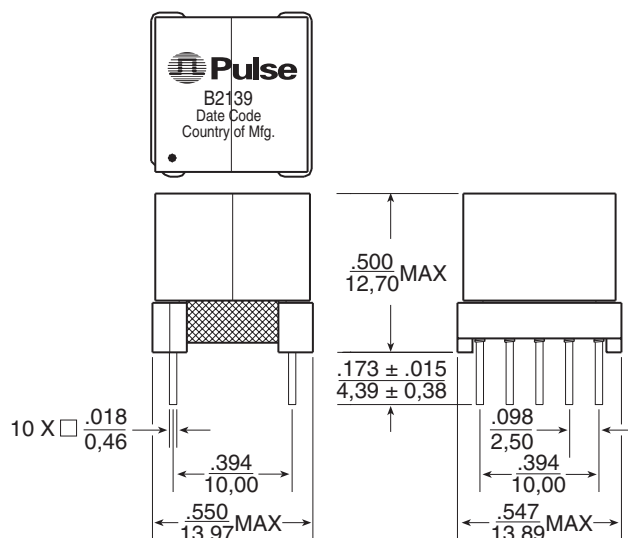
Part Number	THD (Linearity - Typical)	DC Resistance	Isolation Voltage (Vrms)	Insertion Loss ¹ (@ 772 KHz)
B2139	-85 dB MIN @ 100 KHz	1-3 = 2-4 = .66 Ω (± 10%) 10-8 = 9-7 = .56 Ω (± 10%)	1875	<0.5 dB

¹ Frequency Response: >3.0 dB, from 30 KHz to 2.0 MHz.

Mechanical

Schematic

B2139



Weight 6.2 grams

Tray65/tray

Dimensions: Inches
mm

Unless otherwise specified,
all tolerances are ± .010
0,25

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PRELIMINARY B958.P (2/00)