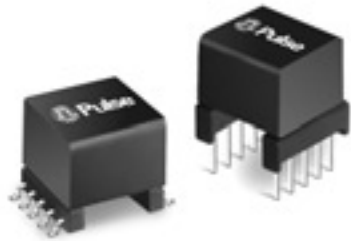


# ADSL LINE TRANSFORMERS

## For Texas Instruments' CPE Chipsets



- Matched to Texas Instruments' AP5, AR5 and AU5 chipsets
- 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	Turns Ratio (1-4):(10-7) (± 2%)	DC Resistance (Ω)		Leakage Inductance @ 100 kHz, 0.1 Vrms MAX (1-4) with (7-10) shorted	Inductance @ 100 kHz, 1 V (1-4)
			(1-4)	(10-7)		
BX2361	THT	2:1	≤ 2.00	≤ 0.55	15 μH	1.5 mH ±5%
BX2382 <sup>1</sup>	SMT	2:1	≤ 2.00	≤ 0.55	15 μH	1.5 mH ±5%

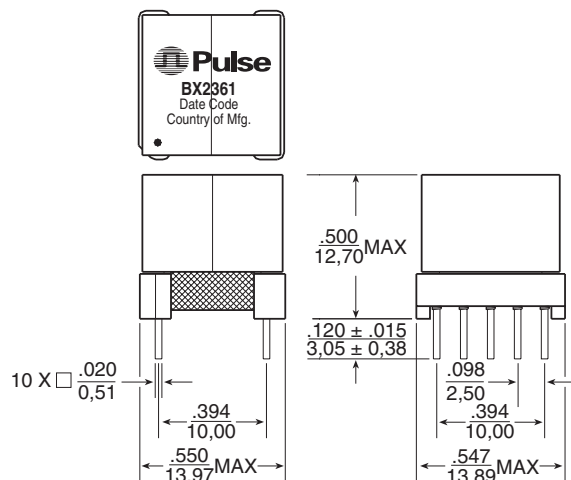
### Additional Specifications

Part Number	THD (@ 100 kHz, 5.3 Vrms)	Load Resistance (Ω)	Isolation Voltage (Vrms)	Longitudinal Balance (from 30 kHz to 1.1 MHz)
BX2361	≤ -80 dB	100	1500	≤ -60 dB
BX2382 <sup>1</sup>	≤ -80 dB	100	1500	≤ -60 dB

<sup>1</sup> Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to this part number (BX2382T).

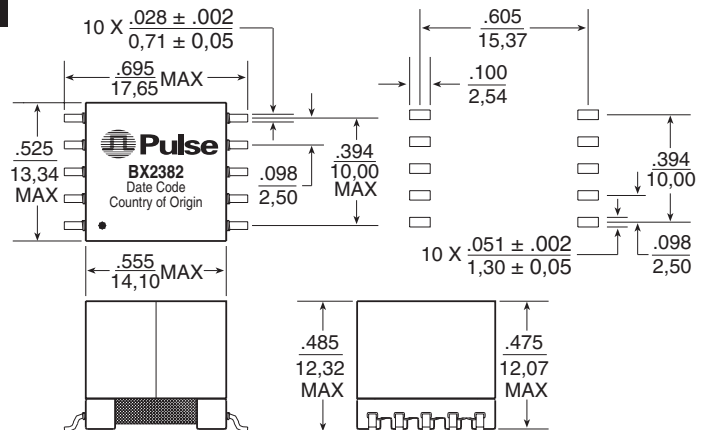
## Mechanicals

### BX2361



Weight ..... 6.2 grams  
Tray ..... .65/tray

### BX2382



Weight ..... 6.2 grams  
Tray ..... .60/tray

.005/0.13  
10 SURFACES

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

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