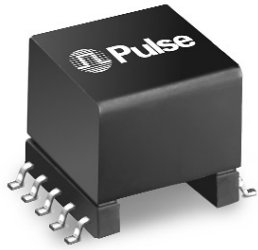


ADSL LINE TRANSFORMER

For Use with Texas Instruments Chipset



- Matched to Texas Instruments TNETD4500C CO chipsets
- Designed to meet IEC950 supplementary insulation requirements for working voltages up to 250 Vrms
- Excellent THD Performance
- Industry standard surface mount footprint

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

Part Number	Turns Ratio Ratio (Line:Chip)	OCL Primary ($\mu\text{H} \pm 6\%$)	Leakage Inductance ($\mu\text{H} \text{ MAX}$)	DCR Primary (1-3 & 2-4) ($\Omega \text{ MAX}$)	DCR Secondary (10-8 & 9-7) ($\Omega \text{ MAX}$)	Isolation Voltage (Vrms)	THD @ 100kHz, 5.0 Vp-p (dB MIN)
B2243 ¹	2 : 1	400	5.0	0.5	0.3	1500	-80
B2133 ²	2 : 1	75	5.0	0.5	0.3	1500	-80

NOTE: Optional Tape & Reel packaging can be ordered for either part by adding a "T" suffix to the part number (ex: B2243T).

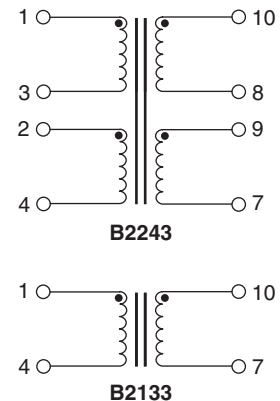
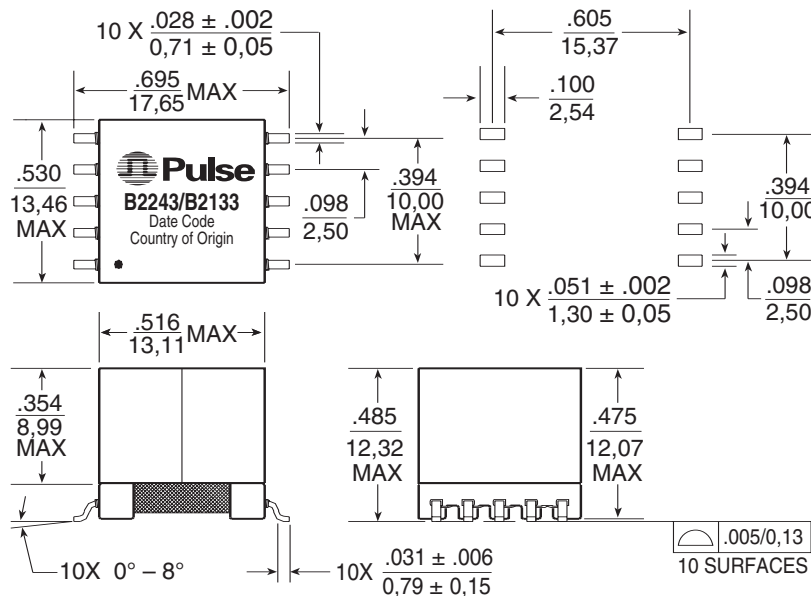
¹ B2243 is designed for ADSL over POTS applications where THS6012/72 Line Drivers and Active termination is used.

² B2133 is designed for ADSL over ISDN applications where THS6012/72 Line Drivers and Active termination is used.

Mechanical

Schematic

B2243/B2133



Weight62 grams

Tape and Reel150/reel

Tray60/tray

Dimensions: Inches

mm

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

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