

# VDSL LINE TRANSFORMERS

For Use with Ikanos Chipset



**Pulse**<sup>®</sup>  
A TECHNITROL COMPANY



- Matched to Ikanos SmartLeap chipset
- Both versions designed to meet IEC950 operational or supplementary insulation requirements for working voltages up to 250Vrms
- Compact industry standard surface mount footprint
- Extended temperature range

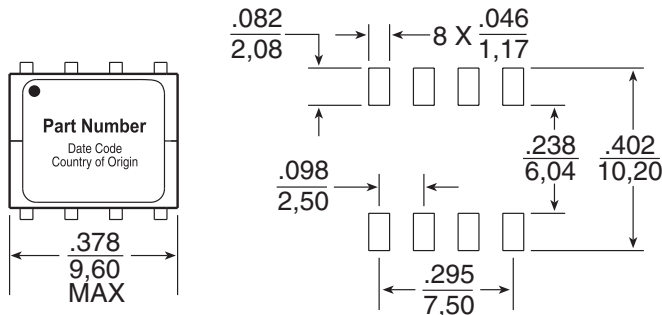
## Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

RoHS-5 Compliant Part No.	RoHS-6 Compliant Part No.	Turns Ratio (Line:Chip)	OCL Line (μH ±7%)	Leakage Inductance (μH MAX)	Insertion Loss @80kHz to 12.5 MHz (dB MAX)	THD @ 80kHz, 4Vp-p (dB MIN)	Hi-Pot (Vrms)
BX4052W	—	3:1	220	1.0	1.30	-80	1500
BX4082W	BX4082WNL						
BX4090WA	BX4090WANL	3.5:1	200	1.0	1.30	-80	1500
BX4091WA	BX4091WANL						

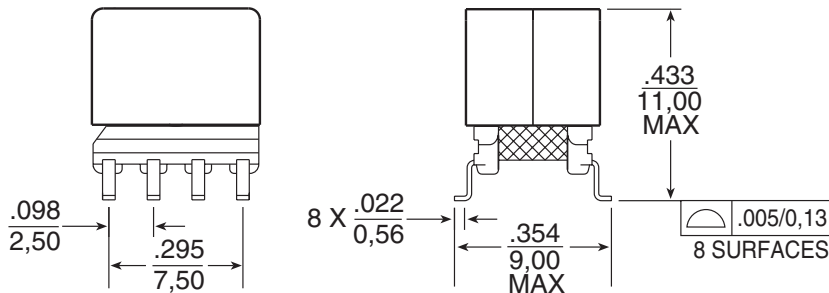
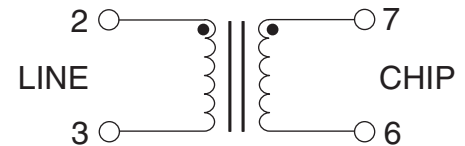
**NOTES:** BX4052W and BX4091WA are the supplementary insulation versions as per IEC950 for working voltage up to 250Vrms.  
 BX4082W and BX4090WA are the operational insulation versions as per IEC950 for working voltage up to 250Vrms.  
 Optional Tape & Reel packaging can be ordered for either part by adding a "T" suffix to the part number (ex: BX4082WT or BX4082WNLT).

## Mechanical

## Schematic



SUGGESTED PAD LAYOUT



Weight ..... 1.8 grams  
 Tape & Reel ..... 300/reel  
 Tray ..... 95/tray

Dimensions: Inches  
 mm  
 Unless otherwise specified,  
 all tolerances are ± .010  
 0,25

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