

# VDSL LINE TRANSFORMERS

## For Use with Ikanos Chipset



-  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

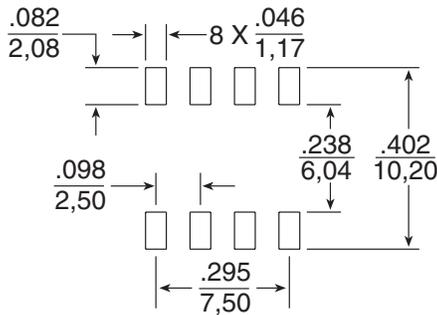
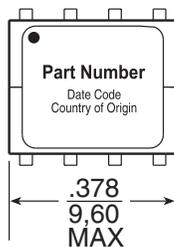
Part Number	Turns Ratio (Line:Chip)	OCL Line (µH ±7%)	Leakage Inductance (µH MAX)	Insertion Loss @80kHz to 12.5 MHz (dB MAX)	THD @ 80kHz, 4Vp-p (dB MIN)	Hi-Pot (Vrms)
BX4052W	3:1	220	1.0	1.30	-80	1500
BX4082W						
BX4090WA	3.5:1	200	1.0	1.30	-80	1500
BX4091WA						

**NOTES:** BX4052W and BX4091WA is the supplementary insulation version as per IEC950 for working voltage up to 250Vrms. BX4082W and BX4090WA is the operational insulation version 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: BX4052WT).

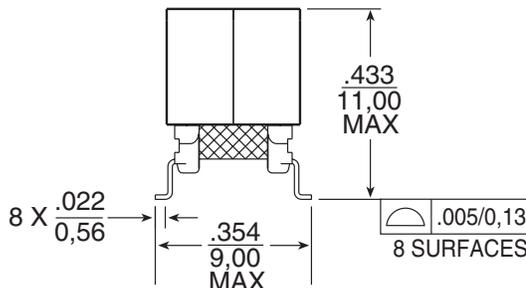
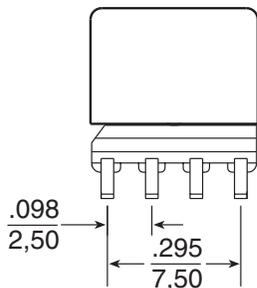
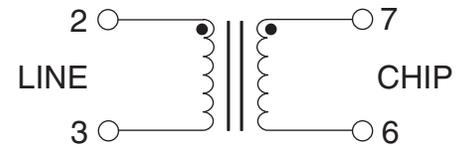
### Mechanical

### Schematic

#### BX4052W/82W & BX4090WA/91WA



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

### For More Information :

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