

# 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 250 Vrms
- Compact industry standard surface mount footprint
- Extended temperature range

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

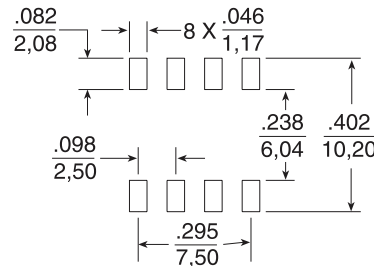
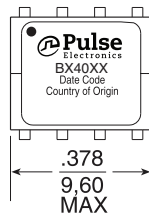
RoHS-5 Compliant Part Number	RoHS-6 Compliant Part Number	Turns Ratio (Line:Chip)	OCL Line ( $\mu\text{H} \pm 7\%$ )	Leakage Inductance ( $\mu\text{H} \text{ MAX}$ )	Insertion Loss @ 80 kHz to 12.5 MHz (dB MAX)	HD @ 80 kHz, 4 Vp-p (dB MIN)	Hipot (Vrms)
BX4052W	-	3:1	220	1.0	1.30	-80	1500
-	BX4082WNL						
-	BX4090WANL	3.5:1	200				
-	BX4091WANL						

**Notes:** BX4052W and BX4091WANL are the supplementary insulation versions as per IEC950 for working voltage up to 250 Vrms.  
 BX4082W and BX4090WANL are the operational insulation versions as per IEC950 for working voltage up to 250 Vrms.  
 Optional Tape & Reel packagin can be ordered by adding a "T" suffix to the part number, i.e. BX4082WNLT.

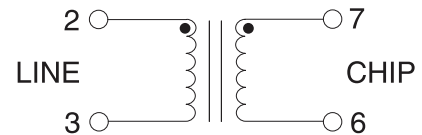
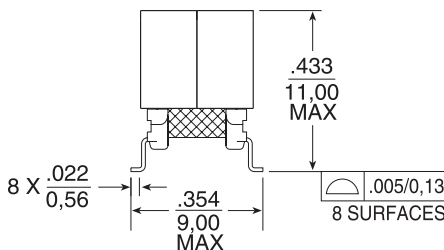
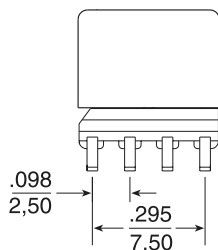
## Mechanical

## Schematic

### BX40XX



SUGGESTED PAD LAYOUT



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

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,  
 all tolerances are  $\pm \frac{.010}{0.25}$

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