30MHz VDSL2 & Vectored VDSL Transformer



- *POTS VDSL2 and Vectored Transformer*
- *Compatible with Broadcoms BCM65x00 chipset family integrating Vectoring Technology*
- *Designed to help Meet ITU K20e Level Testing Requirements*
- *EN60950-1 Functional Isolation Compliant - 250Vrms*
- *RoHS-6 Compliant SMD Product*
- *Available on Tape & Reel*

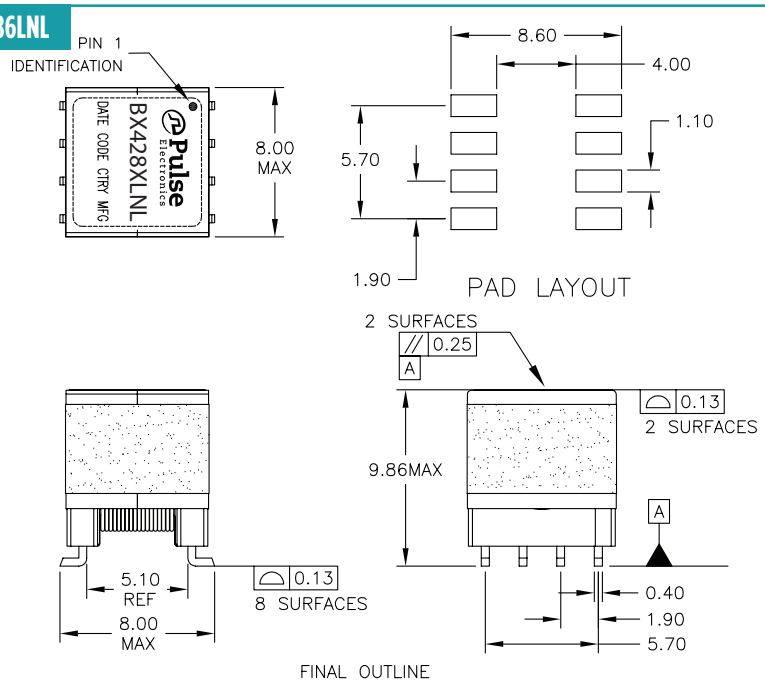
Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C

Part Number	OCL Line (1-4) with (2-3) shorted 10kHz, 100mVrms ±10%	Turns Ratio (1-4): (8-5) with (2-3, 6-7) shorted 100kHz, 100mVrms ±2%	Leakage Inductance (1-4) with others shorted 100kHz, 100mVrms (uH, Max)	LB 12MHz (dB, Max)	LB 17MHz (dB, Max)	LB 30MHz (dB, Max)	THD 30kHz 3.0Vrms (dB, Min)	THD 30kHz 3.0Vrms (dB, Typical) @ -40°C
BX4285LNL	430	1.4:1	1.0	-45	-42	-30	-60	-60
BX4286LNL	100	1.4:1	1.0	-45	-42	-30	-60	-60
	DCR (1-4) with(2-3) shorted (OHMS Max)	DCR (8-5) with(6-7) shorted (OHMS Max)	Cww Line to Chip 100kHz, 100mVrms (pF Max)	IL 300kHz ~ 8MHz (dB Max)	IL 8MHz ~ 30MHz (dB Max)	Isolation Voltage (1-3) to (2-4) (Vrms, 6Sec)	Isolation Voltage Line to Chip (Vrms, 60Sec)	
BX4285LNL	1.0	1.0	35	0.5	3.5	750	1500	
BX4286LNL	1.0	1.0	35	0.5	3.5	750	1500	

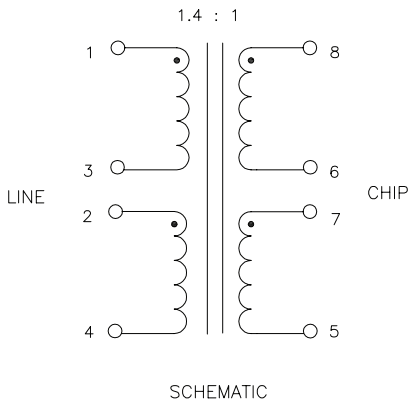
Notes:
Add "T" suffix to part number to order on Tape & Reel i.e. BX4285LNLT, BX4286LNLT

Mechanical

BX4285LNL/BX4286LNL



Schematic



Weight .....1.4 grams
Tray 100/tray
Tape & Reel.....300/tray

Dimensions: mm
Unless otherwise specified, all tolerances are ± 0.1

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