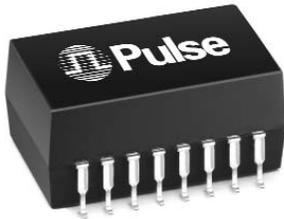


VDSL TRANSFORMER

For Use with Broadcom® BCM 6010/6020



-  Hybrid transformer provides two-wire to four-wire conversion
-  Extended bandwidth
-  Surface mount device
-  Meets international safety regulations for telecom

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

Part Number	Turns Ratio		DCR (MAX)	Return Loss (dB MIN)	Insertion Loss (dB MAX)	Transhybrid Loss (dB MIN)	Longitudinal Balance (dB TYP)	Isolation Voltage (Vrms)		
	Trans.	Rec.								
BX4030	2:1	1:1	0.5 Ω	138 kHz to 300 kHz: 8	138 kHz to 30 MHz: .7	138 kHz to 20 MHz: 30	138 kHz to 300 kHz: 60	2500		
				300 kHz to 1 MHz: 13.5					20 MHz to 30 MHz: 25	300 kHz to 1 MHz: 50
				1 MHz to 10 MHz: 20						1 MHz to 10 MHz: 45
				10 MHz to 20 MHz: 13.5						10 MHz to 30 MHz: 40
				20 MHz to 30 MHz: 8						

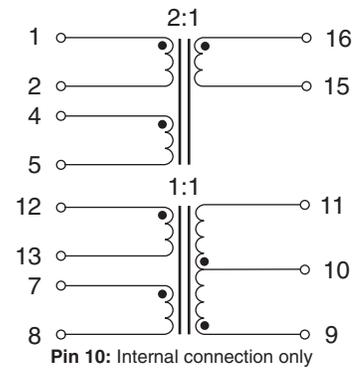
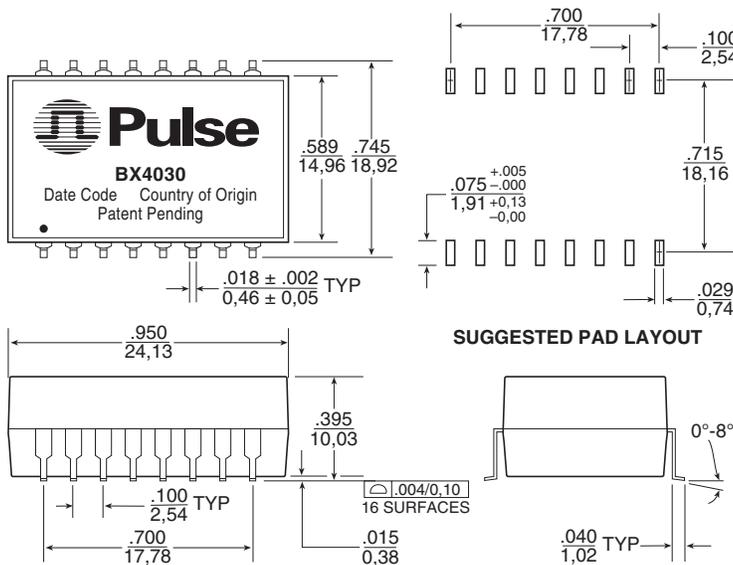
NOTES:

- BX4030** complies with the safety regulations of IEC950 for supplementary insulation.
- Surge Voltage Capability** - Metallic: 800 Vpeak, 10/560 μsec; Longitudinal: 2400 Vpeak, 10/700 μsec.
- Extended Temperature Range** - Insertion loss will increase approximately 0.5 db from 138 kHz to 1 Mhz. Return loss will decrease to 5 dB TYP @ 138 kHz and 10 dB TYP @ 300 kHz.
- Common mode chokes to reduce ingress from AM radio broadcast or HAM radio are available. See data sheet **B912** for parts **B4001** and **B4003**.

Mechanical

Schematics

BX4030



Weight.....8.1 grams
 Tube.....20/tube
 Tape & Reel100/reel

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

For More Information :

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