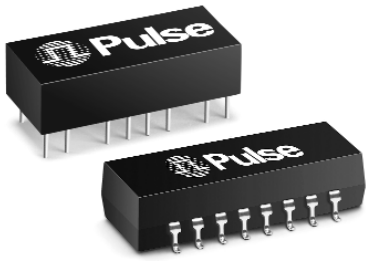
VDSL TRANSFORMERS
For Use with Broadcom® BCM 6010/6020



- Supports speeds up to 25.92 Mbps
- Provides two-wire to four-wire conversion
- Surface mount or through hole package

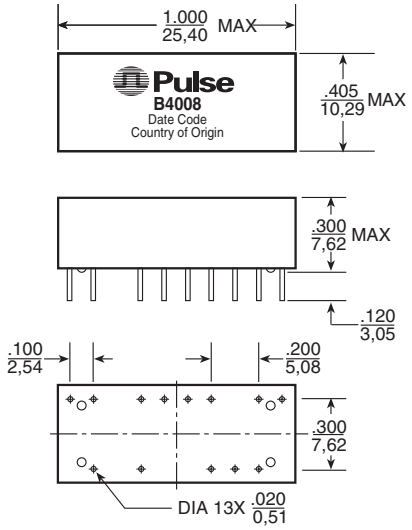
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	Turns Ratio		DCR (MAX)	Return Loss (dB MIN)	Insertion Loss* (dB MAX)	Transhybrid Loss (dB MIN)	Longitudinal Balance (dB MIN)	Isolation Voltage (Vrms)
	Trans.	Rec.						
B4008 (THT) B4025 (SMT)	2:1	1:1	0.5 Ω	138 kHz to 1 MHz: 13.5	138 kHz to 20 MHz: 0.5	138 kHz to 1 MHz: 30	138 kHz to 300 kHz: 60	2000
				1 MHz to 20 MHz: 20		1 MHz to 20 MHz: 25	300 kHz to 1 MHz: 50	
							1 MHz to 20 MHz: 30	

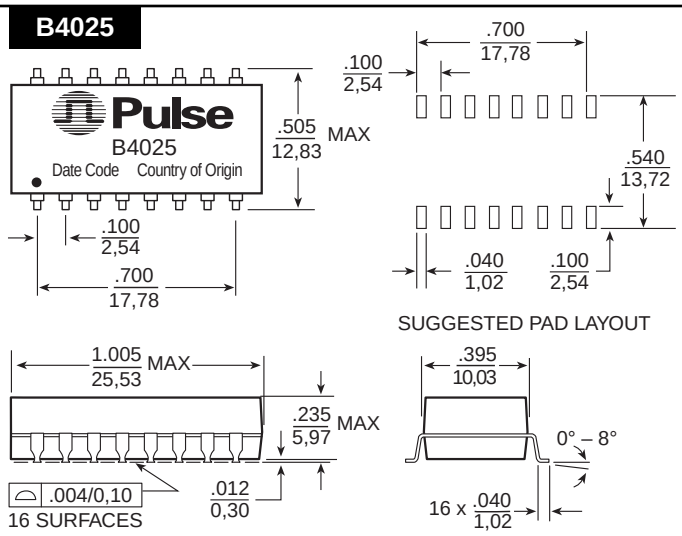
NOTE: Common Mode Chokes to reduce common mode ingress from AM Broadcast or HAM Radios are available. See data sheet B912 for parts B4001 and B4003.
Surge Voltage Capability: Metallic: 800 Vpeak 10/560 µsec. Long.: 2400 Vpeak 10/700 µsec.
Surge over the Extended Temperature Range: Insertion Loss can increase to 1 dB. Return Loss can drop to 7 dB from 138 kHz to 300 kHz, and 12 dB from 300 kHz to 1 MHz.

Mechanicals

B4008



B4025

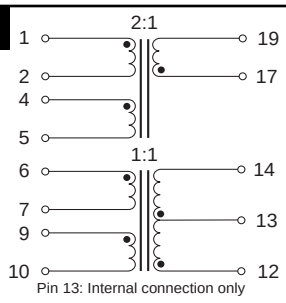


Weight.....2.8 grams
Tube.....20/tube

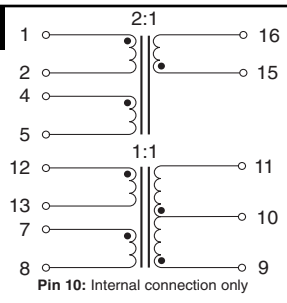
Dimensions: Inches / mm
Unless otherwise specified, all tolerances are ± .010 / 0,25

Schematics

B4008



B4025



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