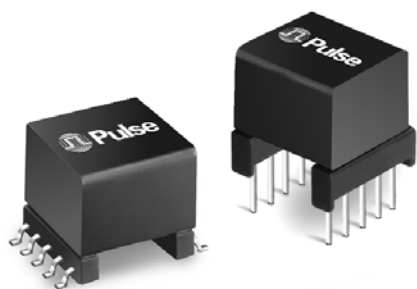


ADSL LINE TRANSFORMERS



- For use with Motorola's MC143460 and MC143462 ADSL chipsets
- Small footprint

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

Part Number	Application	Mounting	Turns Ratio ($\pm 2\%$) (1-5):(10-7)	OCL @ 10 KHz, 0.1 V ($\pm 5\%$)		Leakage Inductance @ 100 KHz, 0.1 V (1-5) with (2-4), (6-9) and (7-10) shorted
				(1-5) with (2-4) shorted	(10-7) with (6-9) shorted	
B2141	CO	THT	1.2:1	3.96	2.75	15 μ H MAX
B2142 ¹	CO	SMT	1.2:1	3.96	2.75	15 μ H MAX

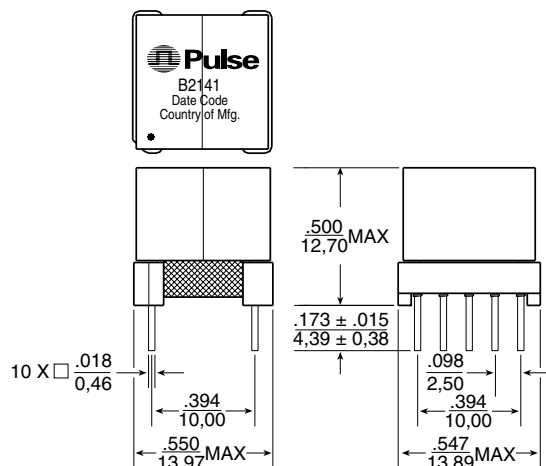
Additional Specifications

Part Number	Longitudinal Balance (from 25 KHz to 1.1 MHz)	DC Resistance		Isolation Voltage (Vrms)
		(1-4):(2-5)	(10-6):(9-7)	
B2141	-45 dB MIN	1.35 Ω MAX	1.35 Ω MAX	1500
B2142 ¹	-45 dB MIN	1.35 Ω MAX	1.35 Ω MAX	1500

¹ Transformers are shipped in trays unless tape and reel is specified. Please add the suffix "T" (i.e. B2142T) for tape and reel orders.

Mechanicals

B2141



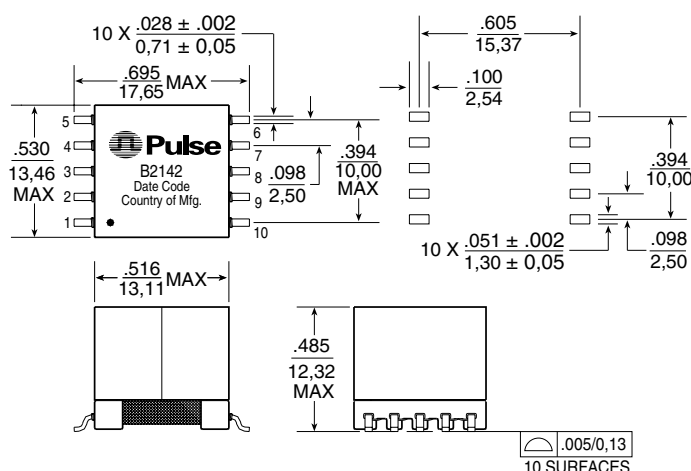
Weight 6.2 grams

Tray60/tray

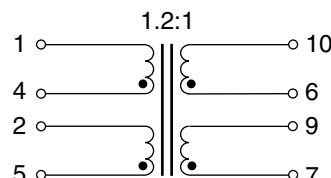
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm .010$
0,25

B2142



Schematic



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PRELIMINARY B962.P (3/00)