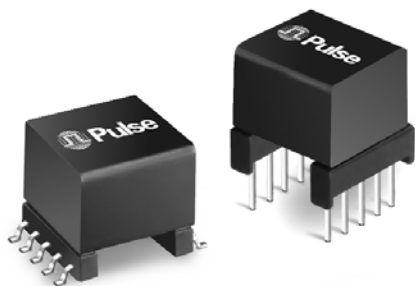


HDSL LINE TRANSFORMERS



- For use with Conexant's RS8973 HDSL chipset
- Excellent THD performance
- Small footprint
- Designed to meet UL 1950 and EN 60950 requirements for supplementary insulation and a 250 V working voltage

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

Part Number	Mounting	Turns Ratio (± 2%) (line - chip)	OCL (± 6%) 1-5 (2-4 shorted)	Leakage Inductance (TYP)	Longitudinal Balance (from 30 KHz to 300 KHz)
B1020	THT	2:1	2.00 mH	15.0 µH	-50 dB MIN
B1040 ¹	SMT	2:1	2.00 mH	15.0 µH	-50 dB MIN

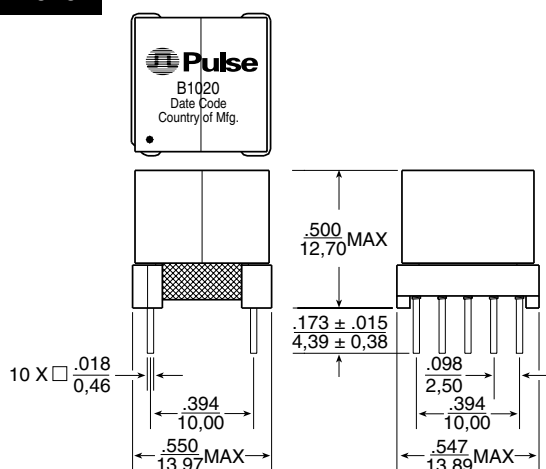
Additional Specifications

Part Number	THD (Linearity)	DC Resistance		Isolation Voltage (Vrms)	Insertion Loss (from 30 KHz to 580 KHz)
		Primary	Secondary		
B1020	-70 dB MIN @ 20 KHz	2.5 Ω MAX	1.0 Ω MAX	1500	0.65 dB
B1040 ¹	-70 dB MIN @ 20 KHz	2.5 Ω MAX	1.0 Ω MAX	1500	0.65 dB

¹Transformers are shipped in tubes unless tape and reel is specified. Please add the suffix "T" (i.e. B1040T) for tape and reel orders.

Mechanicals

B1020



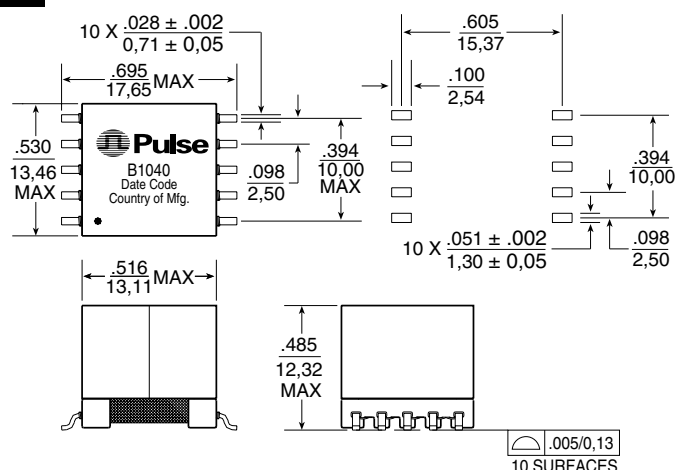
Weight 6.2 grams

Tray60/tray

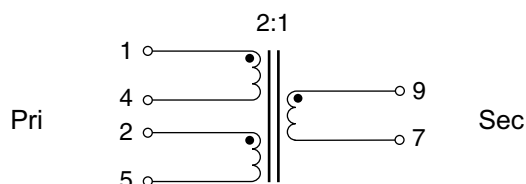
Dimensions: Inches
mm

Unless otherwise specified,
all tolerances are ± .010
0,25

B1040



Schematic



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PRELIMINARY B952.P (4/00)