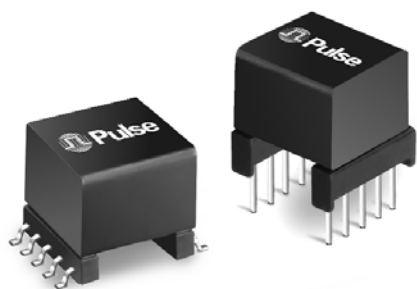


ADSL LINE TRANSFORMERS



- For use with Alcatel's DynaMiTe MTK-20140 ADSL chipset
- Excellent THD performance
- Small footprint

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

Part Number	Application	Mounting	Turns Ratio (± 2%) (1-4):(10-7)	OCL @ 10 KHz, 0.1 V (1-4) with (2-3) shorted	Leakage Inductance @ 300 KHz, 0.1 V (1-4) with (2-3), (7-10) and (8-9) shorted	Longitudinal Balance (from 30 KHz to 1.1 MHz)
B2068	CO	THT	2:1 (Line to Chip)	410 µH (± 10%)	6.5 µH MAX	-40 dB MIN
B2064 ²	CPE	SMT	1:1 (Line to Chip)	480 µH (± 10%)	10.0 µH MAX	-40 dB MIN

Additional Specifications

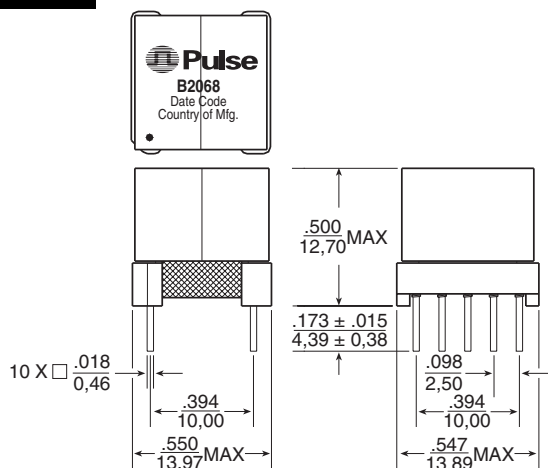
Part Number	THD (Linearity - Typical)	DC Resistance (1-4)/(w/2-3 shorted)	Isolation Voltage (Vrms)	Insertion Loss ¹ (@ 100 KHz and 1.1 MHz)
B2068	-72 dB MIN @ 20 KHz	0.6 Ω MAX	1500	<1.0 dB
B2064 ²	-72 dB MIN @ 10 KHz	1.0 Ω MAX	1500	<1.0 dB

¹ Frequency Response: ±0.5 dB MAX, from 100 KHz to 1.1 MHz.; -1.5 dB MAX from 30 KHz to 100 KHz

² Transformers are shipped in tubes unless tape and reel is specified. Please add the suffix "T" (i.e. B2064T) for tape and reel orders.

Mechanicals

B2068



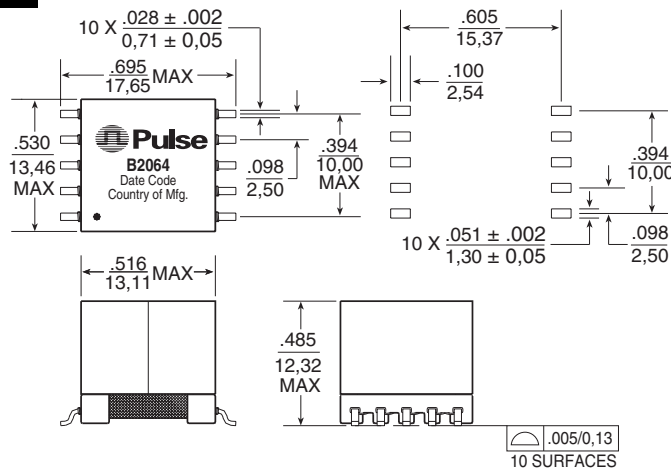
Weight 6.2 grams

Tray60/tray

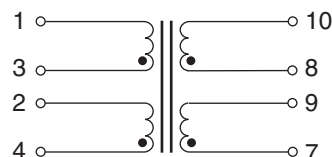
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

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

B2064



Schematic



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PRELIMINARY B920.P (7/99)