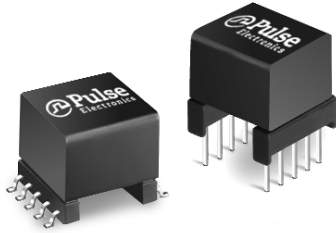




# THE DATASHEET OF B2064





- 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 <sup>2</sup>	CPE	SMT	1:1 (Line to Chip)	480 μH (± 10%)	10.0 μH MAX	-40 dB MIN

### Additional Specifications

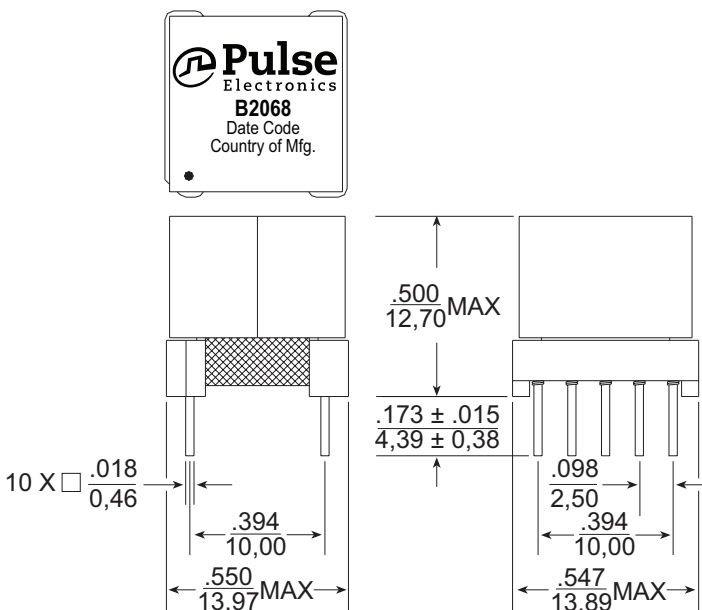
Part Number	THD (Linearity - Typical)	DC Resistance (1-4) (w/2-3 shorted)	Isolation Voltage (Vrms)	Insertional Loss <sup>1</sup> (@ 100 KHz and 1.1 MHz)
B2068	CO	THT	2:1 (Line to Chip)	-40 dB MIN
B2064 <sup>2</sup>	CPE	SMT	1:1 (Line to Chip)	-40 dB MIN

<sup>1</sup> Frequency Response: 0.5 dB MAX, from 100 KHz to 1.1 MHz.; -1.5 dB MAX from 30 KHz to 100 KHz

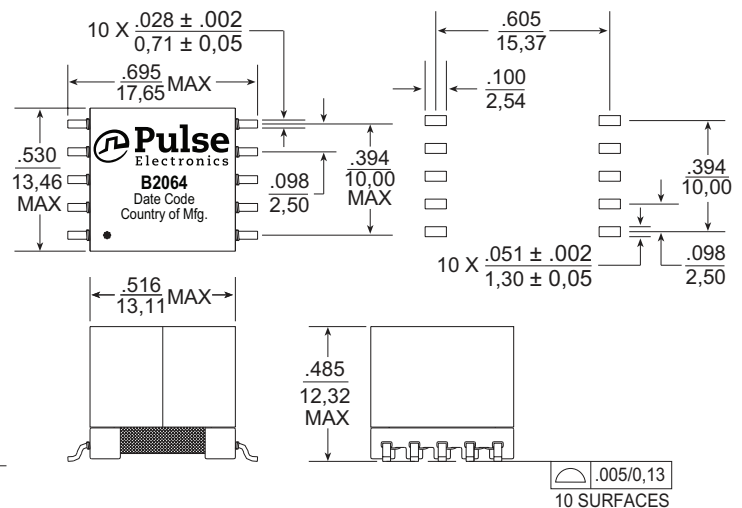
<sup>2</sup> Transformers are shipped in tubes unless tape and reel is specified. Please add the suffix "T" (i.e. B2064T) for tape and reel orders.

## Mechanicals

### B2068



### B264

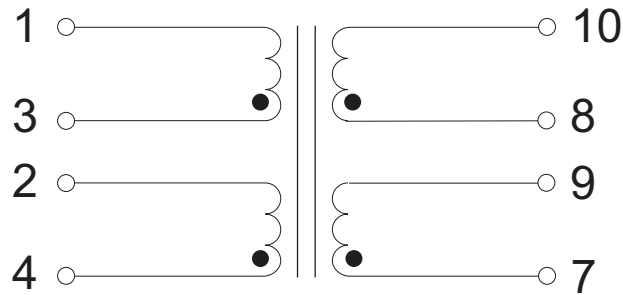


Weight .....6.2 grams  
Tray .....60/tray

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$  Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

# ADSL Line Transformers

## Schematic



## For More Information

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