

# SHDSL/HDSL2/HDSL4 LINE TRANSFORMER

## For Use with GlobespanVirata Chipset



- Matched to GlobespanVirata Orion Chipset
- Excellent THD performance
- Designed to meet UL 60950, IEC 60950, and GR1089 for supplementary insulation requirements for working voltages up to 250 Vrms

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

| Part Number   | Turns Ratio<br>Chip-Line<br>(± 2%) | Inductance<br>Line Side<br>(1-5) with (2-4) shorted | Leakage<br>Inductance<br>(1-5) with (2-4) & (9-7) shorted | Isolation Voltage |              |
|---------------|------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-------------------|--------------|
|               |                                    |                                                     |                                                           | (1-5) to (9-7)    | (1-5)        |
| <b>B1074B</b> | 1:5.4                              | 3.00 mH ±6%                                         | 15 µH MAX                                                 | 1500 Vrms MIN     | 600 Vrms MIN |

### Additional Electrical Specifications

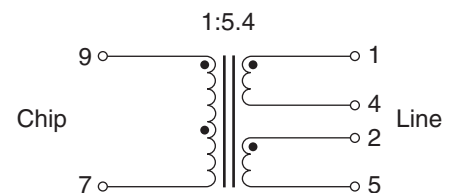
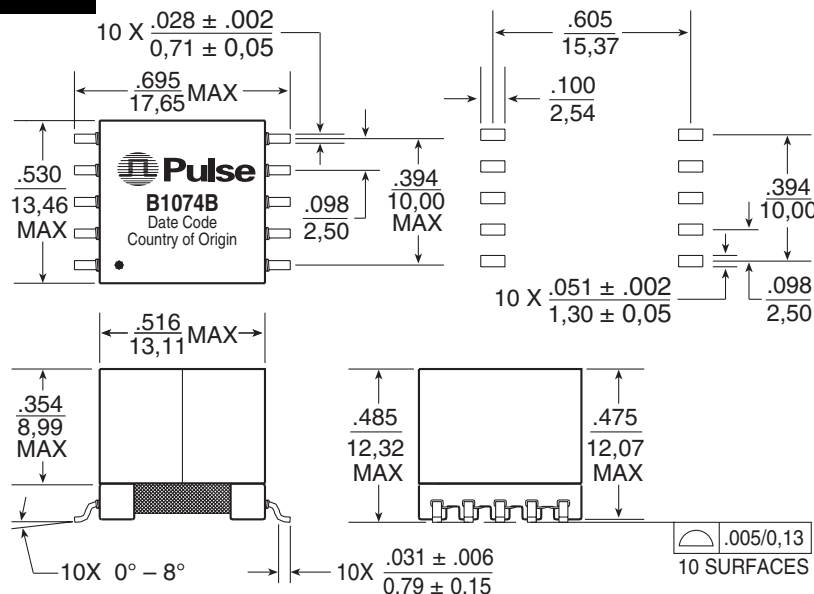
| Part Number   | DCR<br>Line Side<br>(1-5) with (2-4) shorted | DCR<br>Chip Side<br>(9-7) | Return Loss<br>135 Ω Line Side<br>(40-500 kHz) | Longitudinal<br>Balance<br>(20-500 kHz) | THD<br>(4 Vrms @ 5 kHz) |
|---------------|----------------------------------------------|---------------------------|------------------------------------------------|-----------------------------------------|-------------------------|
| <b>B1074B</b> | 4.2 Ω (MAX)                                  | .35 Ω (MAX)               | 15 dB MIN                                      | 55 dB MIN                               | -79 dB MAX              |

**NOTE:** Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (ex: B1074BT).

## Mechanical

## Schematic

### B1074B



Weight ..... .62 grams

Tray ..... .60/tray

Dimensions: Inches  
mm

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

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