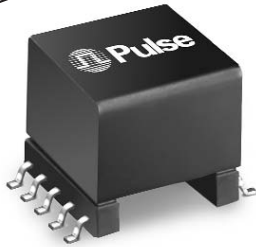





# ADSL LINE TRANSFORMER

## For Use with STMicro's Dynamite Chipset



-  Matched to STMicro's Dynamite MTK-20140, MTK-20150, MTK-20450, MTB-20170, MTC20174 and MTC20166 CO/CPE chipsets.
-  Designed to meet IEC950 supplementary insulation requirements for working voltages up to 250Vrms
-  Industry standard surface mount footprint

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

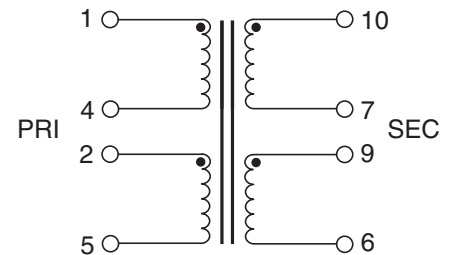
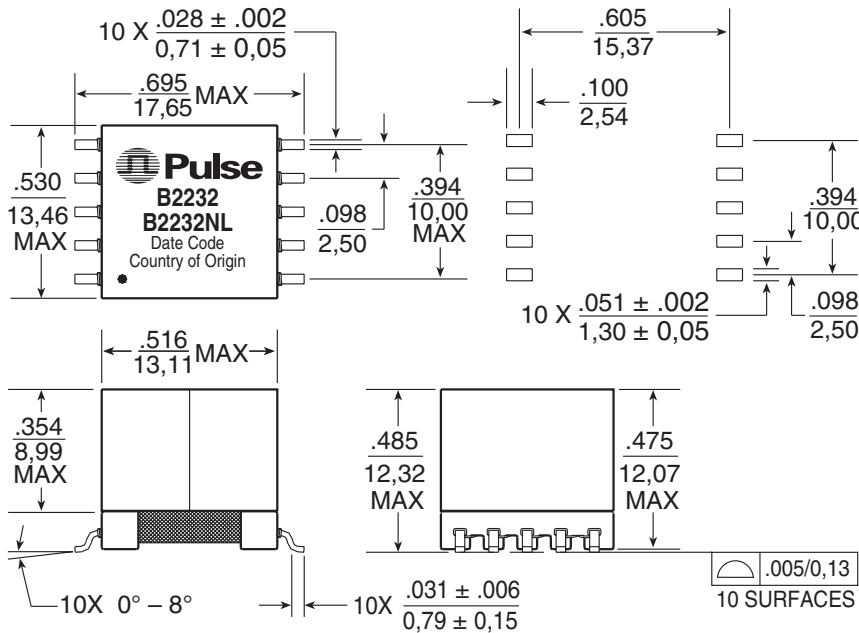
| RoHS-5 Compliant Part No. | RoHS-6 Compliant Part No. | Turns Ratio Ratio (Line:Chip) | OCL Primary (µH ±6%) | Leakage Inductance (µH MAX) | DCR Primary (1-4 & 2-5) (Ω MAX) | DCR Secondary (10-7 & 9-6) (Ω MAX) | Isolation Voltage (Vrms) | THD @ 30kHz, 1.58 Vp-p (dB MIN) |
|---------------------------|---------------------------|-------------------------------|----------------------|-----------------------------|---------------------------------|------------------------------------|--------------------------|---------------------------------|
| B2232                     | B2232NL                   | 2 : 1                         | 409.5                | 6.5                         | 0.66                            | 0.20                               | 1500                     | -78                             |

NOTE: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: B2232T and B2232NLT).

### Mechanical

### Schematic

#### B2232 / B2232NL



Weight . . . . . 6.2 grams  
Tape and Reel . . . . . 150/reel  
Tray . . . . . 60/tray  
Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
Unless otherwise specified,  
all tolerances are  $\pm \frac{.010}{0,25}$

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