






# AUDIO TRANSFORMERS SURFACE MOUNT PACKAGE



-  RoHS peak reflow temperature rating 245°C
-  Typical applications: telephone sets, PBXs, DLC systems, central office switches
-  Optimized insertion loss and return loss for audio frequency range, including voiceband
-  Designed for 600 Ω line impedance
-  Small SMT footprint

## Electrical Specifications @ 25°C

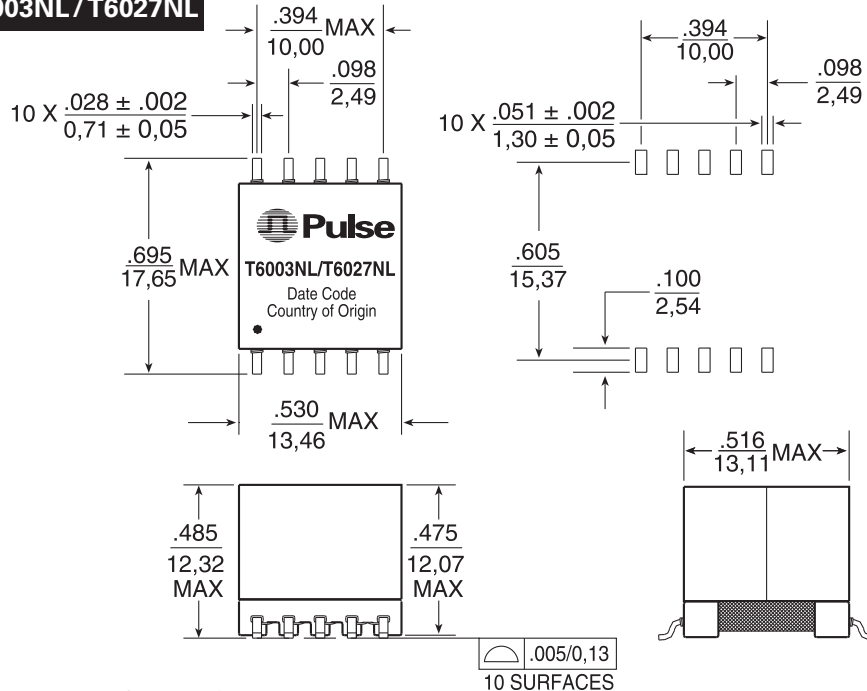
RoHS-Compliant Part Number	Turns Ratio Pri:Sec (±2%)	DCR Pri Side (Ω MAX)	DCR Sec Side (Ω MAX)	Isolation Voltage (V <sub>rms</sub> MIN)	Insertion Loss (dB MAX)				Return Loss (dB MIN)		
					200 Hz	1 kHz	20 kHz	100 kHz	200 Hz	1 kHz	10 kHz
T6027NL	1:2	55	390	1500	1.2	1.0	1.0	1.7	18	18	18
T6003NL	1:1	55	70	1500	1.0	1.0	1.0	1.9	20	30	25

**NOTE:** Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: T6003NLT).

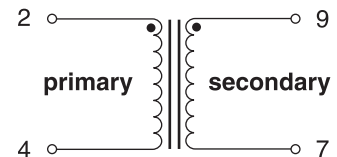
## Mechanical

## Schematic

### T6003NL / T6027NL



**T6003NL:** 600 Ω/600 Ω  
**T6027NL:** 600 Ω/2400 Ω



**Weight** ..... 6.7 grams  
**Pan Size** ..... 60/tray  
**Tape and Reel** ..... 150/reel

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

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$

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