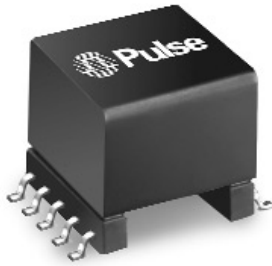


# AUDIO TRANSFORMERS SURFACE MOUNT PACKAGE



- 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  $\Omega$  line impedance
- Small SMT footprint

## Electrical Specifications @ 25°C

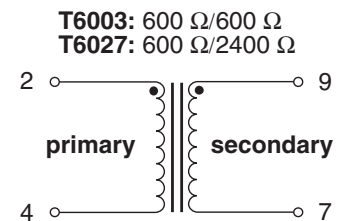
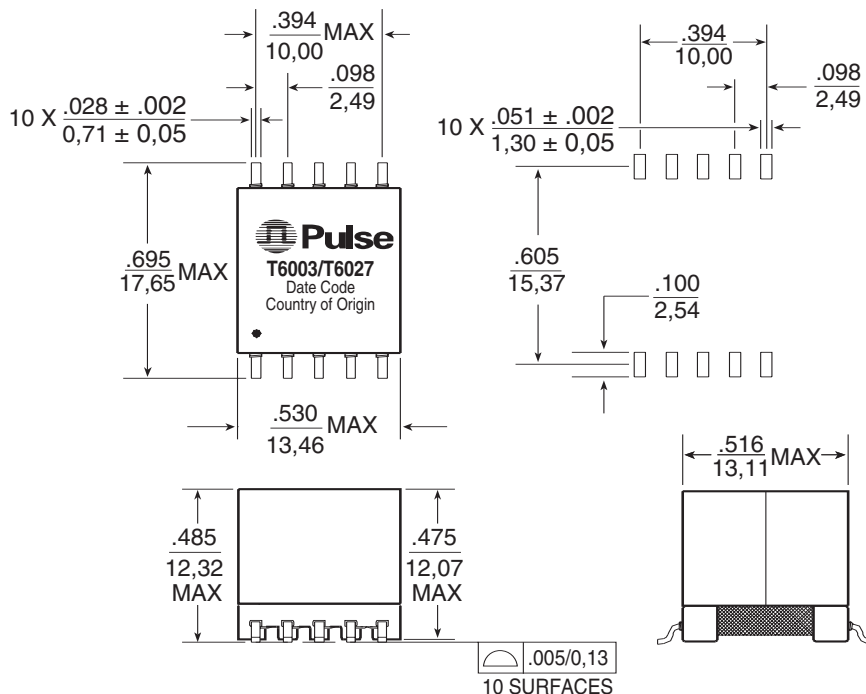
Part Number	Turns Ratio Pri:Sec ( $\pm 2\%$ )	DCR Pri Side ( $\Omega$ MAX)	DCR Sec Side ( $\Omega$ MAX)	Isolation Voltage (Vrms MIN)	Insertion Loss (dB MAX)				Return Loss (dB MIN)		
					200 Hz	1 KHz	20 KHz	100 KHz	200 Hz	1 KHz	10 KHz
<b>T6027</b>	1:2	55	390	1500	1.2	1.0	1.0	1.7	18	18	18
<b>T6003</b>	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: T6003T).

## Mechanical

## Schematic

### T6003/T6027



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  $\pm \frac{.010}{0,25}$

## For More Information :

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**T628.A (9/03)**