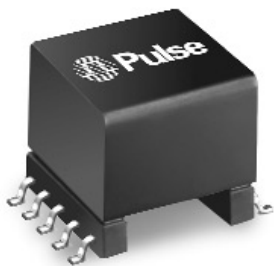






# AUDIO TRANSFORMERS SURFACE MOUNT PACKAGE



-  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

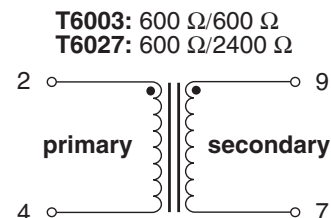
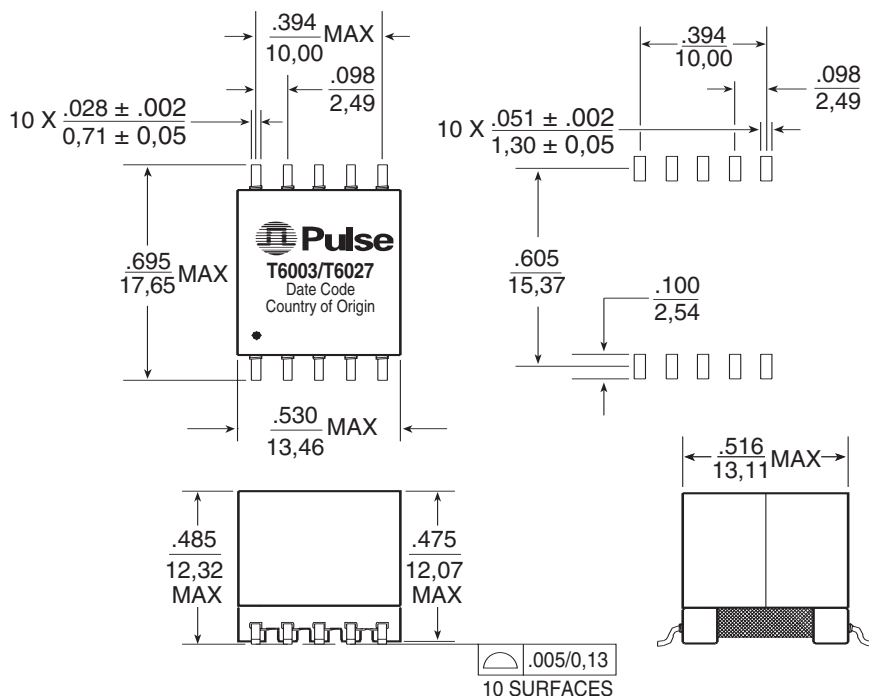
Part Number	Turns Ratio Pri:Sec ( $\pm 2\%$ )	DCR Pri Side ( $\Omega$ MAX)	DCR Sec Side ( $\Omega$ MAX)	Isolation Voltage (Vrms MIN)	Insertion Loss (dB MAX)				Return Loss (dB MIN)		
					200 Hz	1 KHz	20 KHz	100 KHz	200 Hz	1 KHz	10 KHz
<b>T6027</b>	1:2	55	390	1500	1.2	1.0	1.0	1.7	18	18	18
<b>T6003</b>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

### UNITED STATES (Worldwide)

12220 World Trade Drive  
 San Diego, CA 92128  
 U.S.A.  
<http://www.pulseeng.com>  
 TEL: 858 674 8100  
 FAX: 858 674 8262

### UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road  
 The Surrey Research Park  
 Guildford, Surrey GU2 5RE  
 United Kingdom  
 TEL: 44 1483 401700  
 FAX: 44 1483 401701

### FRANCE (Southern Europe)

Zone Industrielle  
 F-39270  
 Orgelet  
 France  
 TEL: 33 3 84 35 04 04  
 FAX: 33 3 84 25 46 41

### SINGAPORE (Southern Asia)

150 Kampong Ampat  
 #07-01/02  
 KA Centre  
 Singapore 368324  
 TEL: 65 6287 8998  
 FAX: 65 6280 0080

### TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1  
 HsinTai Wu Road  
 Hsi-Chih, Taipei Hsien  
 Taiwan, R.O.C.  
 Tel: 886 2 2698 0228  
 FAX: 886 2 2698 0948

### HONG KONG (China/Hong Kong)

9/F, Phase 2, Tai Sang  
 Shatin Warehouse Centre  
 6 Wong Chuk Yeung Street  
 Fotan, Shatin, Hong Kong  
 TEL: 852 2788 6588  
 FAX: 852 2776 1055

### DISTRIBUTOR

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

 Printed on recycled paper. ©2003, Pulse Engineering, Inc. All Rights Reserved.

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