



**PT533-1 ADSL Transformers**



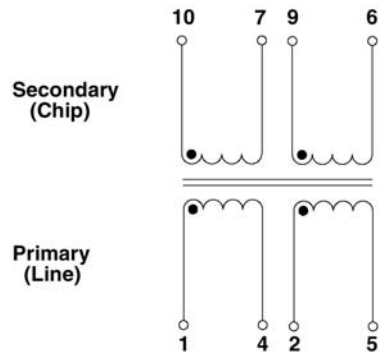
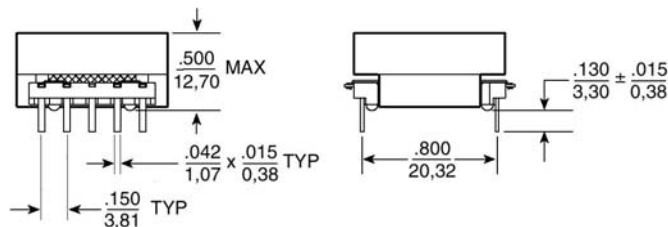
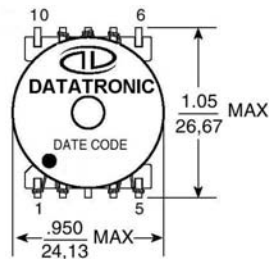
**Features**

- Matched to Alcatel Microelectronics MTK-20131 ADSL Chipset
- Excellent Total Harmonic Distortion (THD) Performance
- Exceeds standards for ANSI and ETSI
- Isolation Voltage : up to 2000Vrms
- Designed to meet UL1950 to supplementary Isolation requirements

**ELECTRICAL SPECIFICATIONS AT 25°C      OPERATING TEMP -40°C to +85°C**

URNS RATIO	1:1:1:1±2%
OCL PRIMARY	
1-5 WITH 2-4 SHORTED	440µH±5%
LEAKAGE INDUCTANCE	15µH MAX
INSERTION LOSS @40kHz-2MHz	3dB MAX
DC RESISTANCE (1-4), (2-5)	0.16Ω MAX
DC RESISTANCE (10-7), (9-6)	1.20Ω MAX
ISOLATION VOLTAGE (MAX)	2000Vrms
THD LINEARITY @40kHz	-70dB TYP

**OUTLINE DIMENSIONS**



- NOTES:**
1. Dimensions are shown in inches/millimeters  
Unless otherwise specified, tolerance  
= Inches: ±0.010  
= Millimeters: ±0,25
  2. For non-RoHS parts replace PT prefix with 42-  
(e.g. PT533-1 becomes 42-533-1)
  3. Terminal finish is compliant to RoHS requirements.