

## MODEM TRANSFORMER PT79546

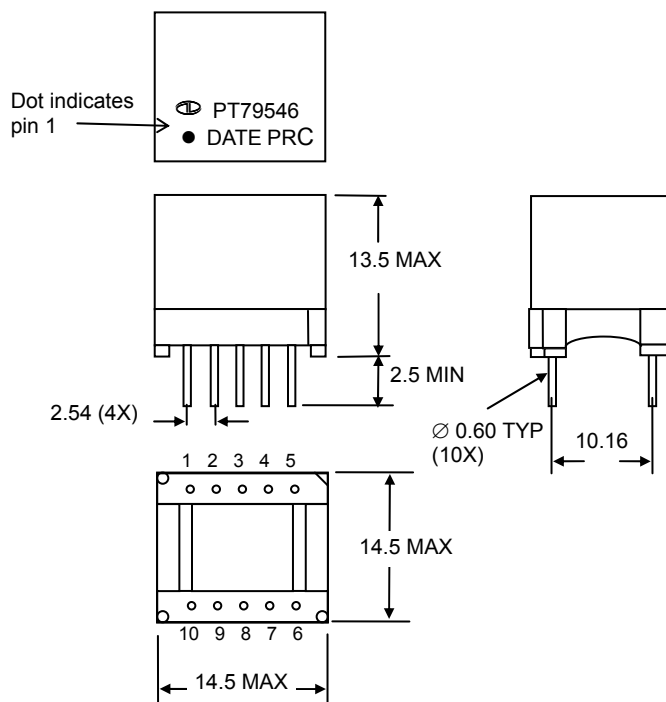
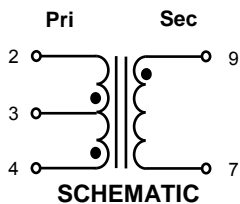
Qualified to Teridian 73M2901CE low speed modem and the  
73M1903 modem AFE in high and low speed applications chip sets.

### Electrical Specifications @ 25°C

Impedance, Primary	600Ω Typ. @ 1kHz 1Vrms*
Total Harmonic Distortion	-82 dB Max. @ 600Hz -10dBm*
Insertion loss	1.90 dB Max. @ 1kHz, 0dBm*
Frequency response	±0.15 dB @ 200-4000 Hz 0dBm* (relative to 1kHz)
Return loss	20 dB Min. @ 200Hz Per 600 Ohm Match.
Return loss	20 dB Min. @ 200Hz Per Pan-Euro CTR21 Match
D.C. resistance @20°C	Primary = 82Ω ±15%
	Secondary = 106Ω ±15%
Turns Ratio (4-3-2) : (9-7)	1CT : 1 ±2%
Dielectric strength Pri.to Sec.	1500Vrms 1 min. (Production test 2000Vrms 2s minimum)
D.C. Current in Primary	0mA
Operating Temperature	-40 to +105 °C
Storage Temperature	-40 to +125 °C
Shunt Inductance Lp, Primary	3.2H Min. @1kHz 1Vrms.
Shunt Loss Rp, Primary	1.2MΩ Min. @ 1kHz 1Vrms.
Leakage Inductance	4.5mH ±15% @ 1kHz 1Vrms.

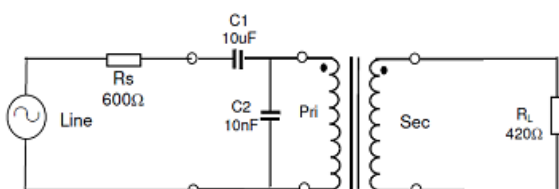
(\* = test with 420Ω load at Secondary)

### Mechanical Outline and Schematic



All dimensions in millimeters  
Unless otherwise specified, tolerance ±0.25mm

#### 600 Ohm Match



#### Pan-Euro CTR21 Match

