T-997

DDS Aplications
Pulse Transformers

Designed to meet the requirements of Bellcore TR-NWT-000499, Synchronous Digital Data Interface-64 Kbps and Subrates

Recomended for use with level one LXT400 & LXT456

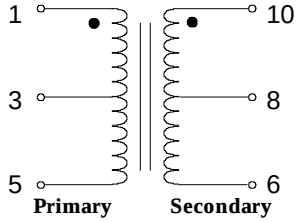
Custom versions of this transformer are available.

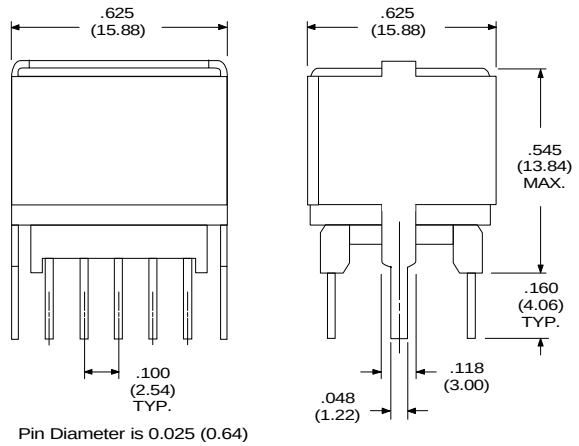
A Surface Mount version of this transformer is available

Compatible with Level One transceiver ICs

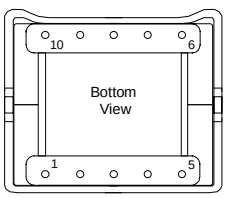
PARAMETER		UNITS
Turns Ratio	1 : 1 ±1%	
Line Impedance	135	Ω
Inductance (Line Side)	200 Min	mH
Leakage Inductance 10 kHz - 1VRMS	60 Max.	µH
Primary DC Resistance	18.2 Typ.	Ω
Secondary DC Resistance	18.2 Typ.	Ω
Frequency Response 100 Hz - 112 kHz	1.0 Typ.	dB
Insertion Loss @ 10kHz	1.25 Typ.	dB
Isolation (HI-POT)	1875	V_{RMS}
Primary DC	0	mA
Return Loss @ 100 Hz - 100 kHz	15 Typ.	dB
Longitudinal Balance 200 - 1000 Hz 15 kHz	40 Typ. 35 Typ.	dB dB
Interwinding Capacitance 10 kHz - 1 VRMS	65 Max.	pF

SCHEMATIC DIAGRAM:





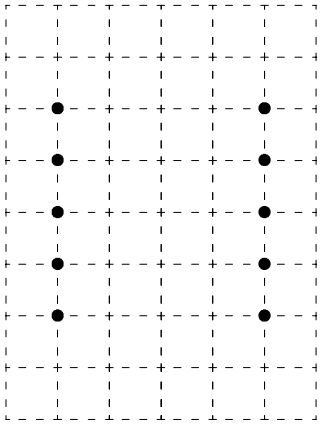
Pin Diameter is 0.025 (0.64)



Physical Dimensions in inches (mm)

PIN POSITION GRID 0.100 (2.54)

● HOLES FOR BOBBIN PINS



4/15/98

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