

T-998NC

DDS Applications Pulse Transformers

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

Recommended for use with level one LXT441

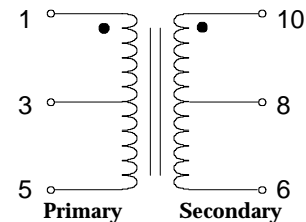
Custom versions of this transformer are available.

A Surface Mount version of this transformer is available

Compatible with Level One transceiver ICs

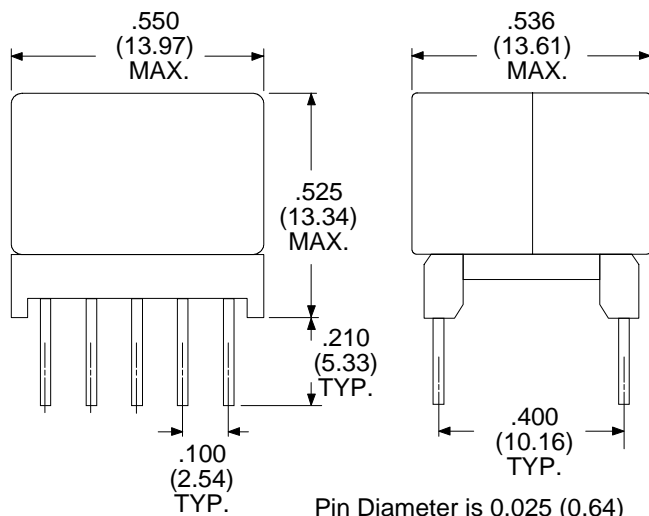
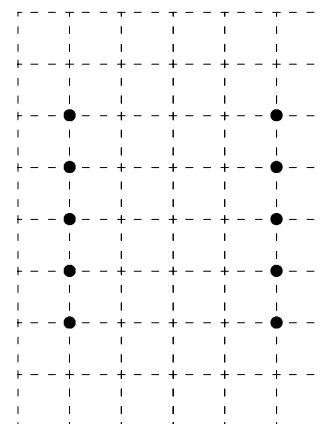
PARAMETER		UNITS
Turns Ratio	1 : 1 \pm 1%	
Line Impedance	143	Ω
Inductance (Line Side)	40 Min	mH
Leakage Inductance	10 kHz - $0.5V_{RMS}$ 40 Max.	μ H
Primary DC Resistance	2.9 Typ.	Ω
Secondary DC Resistance	5.9 Typ.	Ω
Frequency Response	1.0 Max.	dB
	1 kHz - 200 kHz	
Insertion Loss @ 10kHz	0.5 Typ.	dB
Isolation (HI-POT)	1875	V_{RMS}
Primary DC	0	mA
Return Loss @ 1 kHz - 200 kHz	15 Typ.	dB
Longitudinal Balance	200 - 1000 Hz 40 Typ. 15 kHz 35 Typ.	dB dB
Interwinding Capacitance	65 Max.	pF
	10 kHz - $1 V_{RMS}$	

SCHEMATIC DIAGRAM:



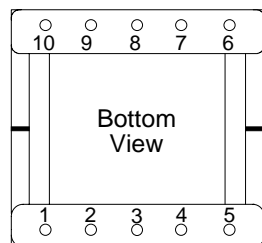
PIN POSITION GRID 0.100 (2.54)

● HOLES FOR BOBBIN PINS



Pin Diameter is 0.025 (0.64)

Physical Dimensions in inches (mm)



4/15/98