

T-998

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

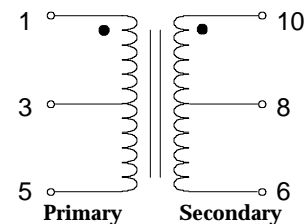
Custom versions of this transformer are available.

A Surface Mount version of this transformer is available

Compatible with Level One transceiver ICs

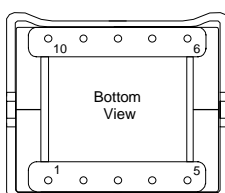
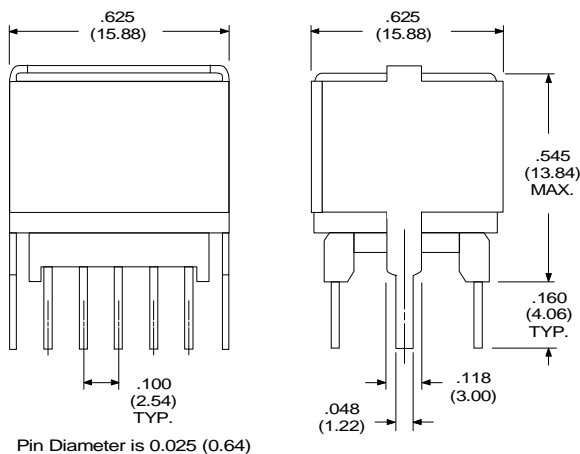
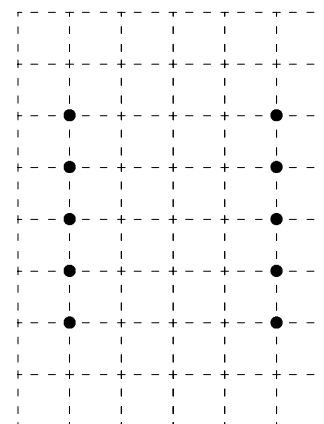
PARAMETER		UNITS
Turns Ratio	1 : 1 \pm 1%	
Line Impedance	143	Ω
Inductance (Line Side)	40 Min	mH
Leakage Inductance	10 kHz - 0.5V _{RMS} 40 Max.	μ H
Primary DC Resistance	2.9 Typ.	Ω
Secondary DC Resistance	5.9 Typ.	Ω
Frequency Response	1.0 Max.	dB
	1 kHz - 200 kHz	
Insertion Loss @ 10kHz	0.5 Typ.	dB
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



Physical Dimensions
in inches (mm)

4/15/98