

10/100BASE-T SINGLE PORT TRANSFORMER MODULES

Industrial grade



- ⊗ Compliant with IEEE 802.3 standards
- ⊗ 350µH OCL with 8mA DC bias at 100KHz 100mV
- ⊗ Lead finish: Pure tin
- ⊗ Moisture Sensitivity Level: 1

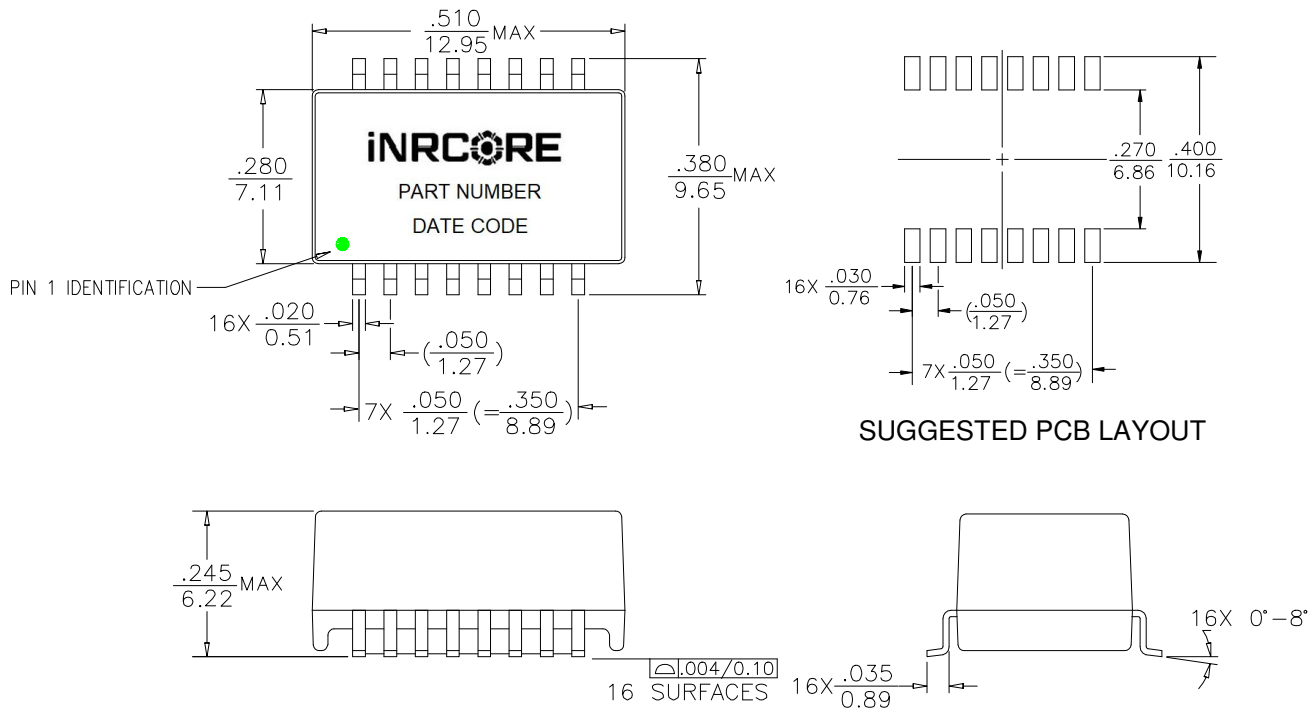
Electrical Specifications @ 25 °C – Operating Temperature – 40 °C to +85 °C

Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN)					Crosstalk (dB MIN)				Differential to Common Mode Rejection (dB MIN)			Dielectric Withstanding Voltage @60s (Vrms MIN)
	0.1-100 MHz	5 MHz	30 MHz	50 MHz	60 MHz	80 MHz	1 MHz	30 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	
R1003NL	-1.0	-18	-16	-12	-11	-10	-62	-45	-40	-35	-42	-37	-32	1500

Notes: For Tape & Reel Packaging, add "T" suffix at the end of the part number; i.e. R1003NLT.

Mechanical

R1003NL



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are: $\pm \frac{.010}{0,25}$



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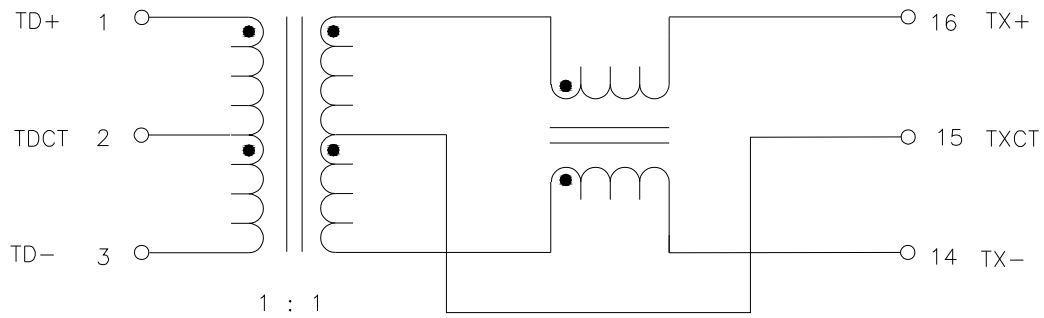
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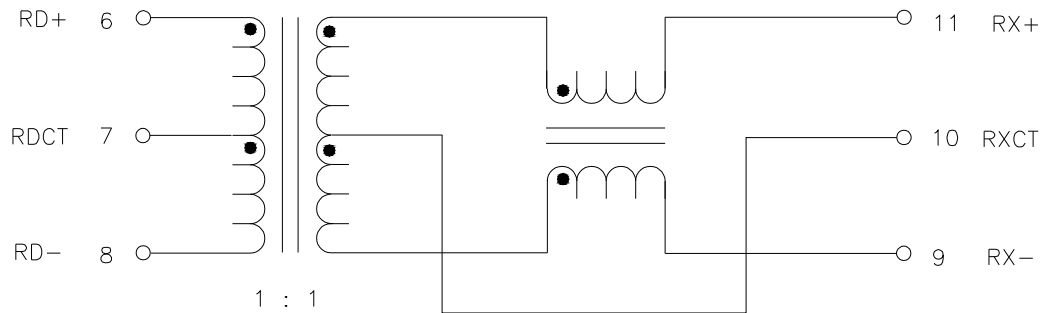
Electrical Schematic

R1003NL

TRANSMIT



RECEIVE



SCHEMATIC

