

10/100BASE-TX TRANSFORMER MODULES

Industrial Grade



- ⊗ Compliant with IEEE 802.3 standards
- ⊗ Low profile packages .088" Max for PC card and card bus applications
- ⊗ 350μH OCL with 8mA DC bias at 100KHz 100mV
- ⊗ Lead finish: Pure tin
- ⊗ Moisture Sensitivity Level: 1

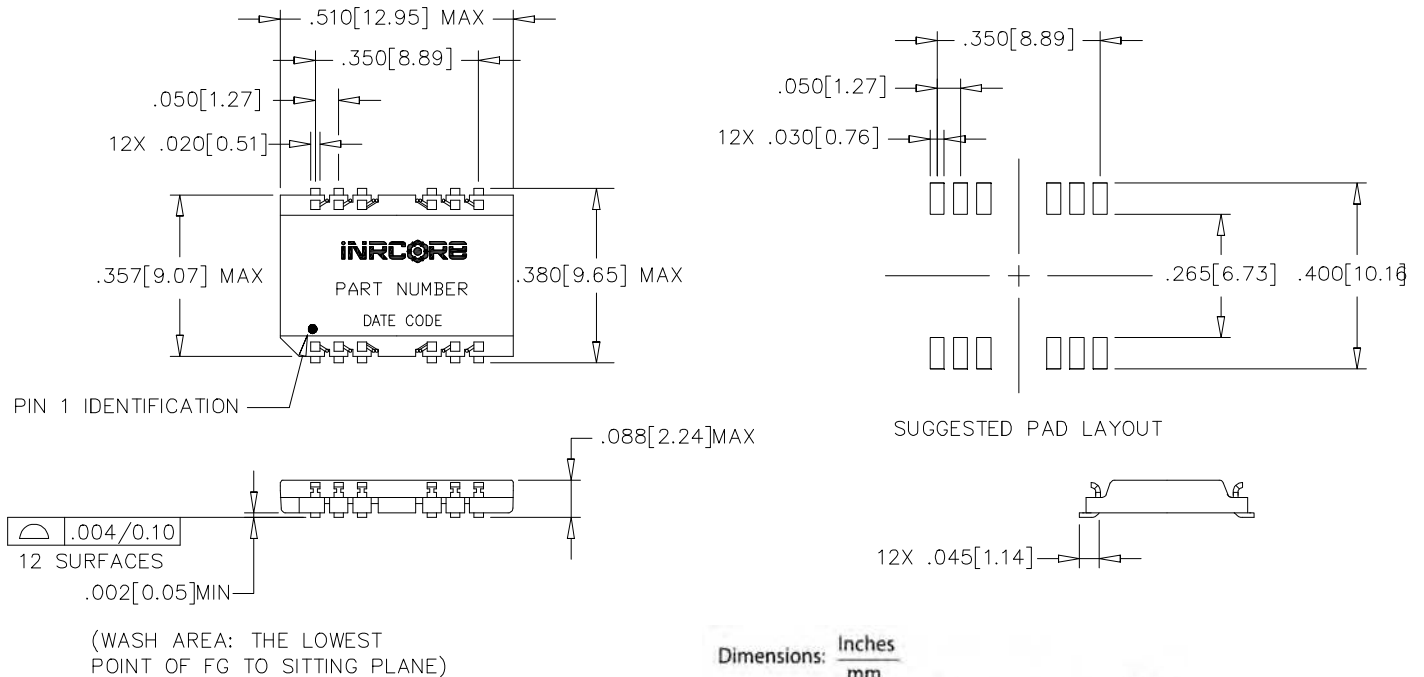
Electrical Specifications @ 25 °C – Operating Temperature – 40 °C to +85 °C

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Crosstalk (dB Min)				CM to CM Rejection Ratio (dB Min)			Dielectric Withstanding Voltage @60s (Vrms MIN)
		0.1-100 MHz	5-30 MHz	60 MHz	80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	
R1035NL	-1.2	-16	-14	-10	-48	-45	-40	-35	-35	-30	-25	1500

Note:1. Tape&Reel Packaging, add "T" suffix at the end of the part number; i.e. **R1035NLT**

Mechanical

R1035NL



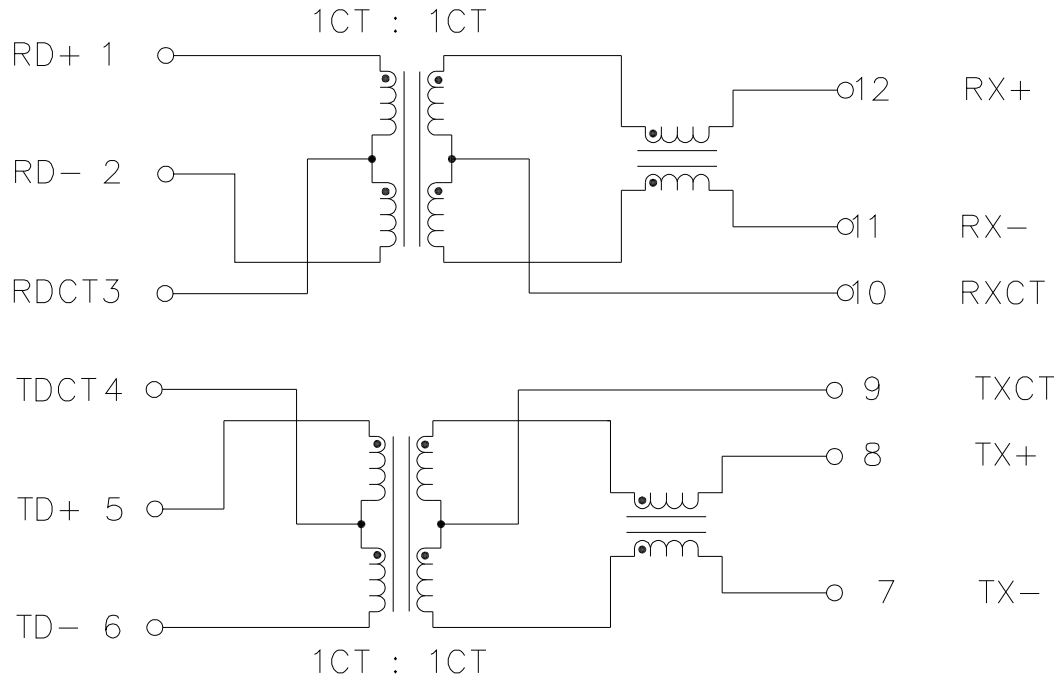
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

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

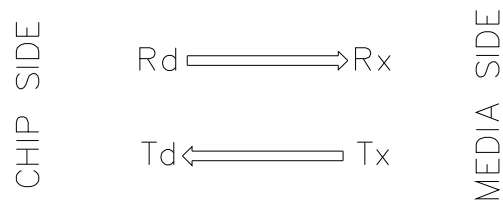


Electrical Schematic

R1035NL

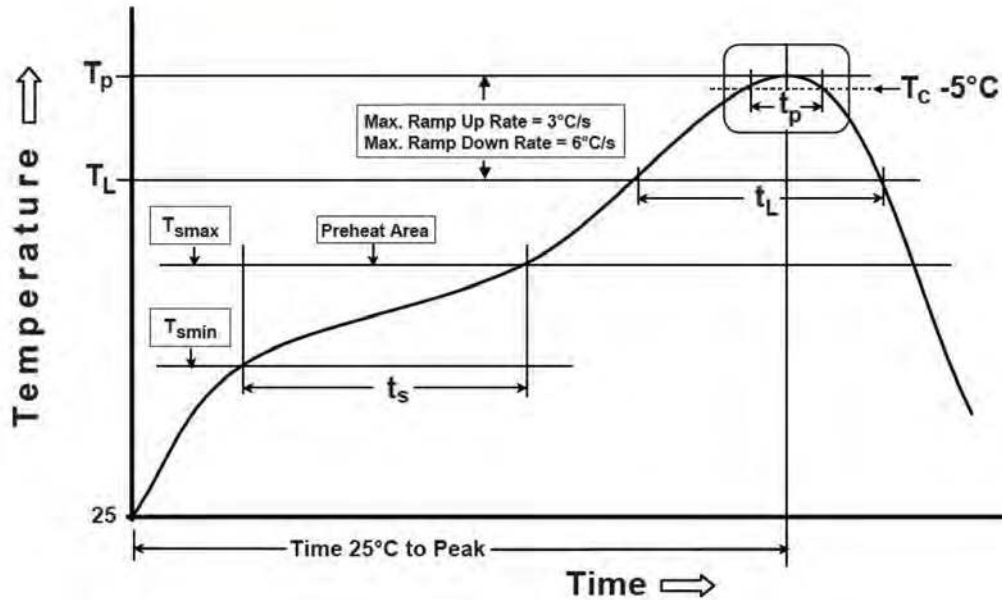


LEGEND



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT TO OUTPUT

Non-Lead Recommended Reflow Profile (Based on J-STD-020D)



T_{SMIN} (°C)	T_{SMAX} (°C)	T_L (°C)	T_P (°C MAX)	t_s (s)	t_L (s)	t_p (s MAX)	Ramp-up rate (T_L to T_P)	Ramp-down rate (T_P to T_L)	Time 25°C to peak temperature (s MAX)
150	200	217	245	60-120	60-150	30	3°C/s MAX	6°C/s MAX	480

Notes:

1. All temperatures measured on the package leads.
2. Maximum times of reflow cycle: 2.

For More Information

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