

# 1000BASE – T TRANSFORMER MODULES

Industrial grade



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

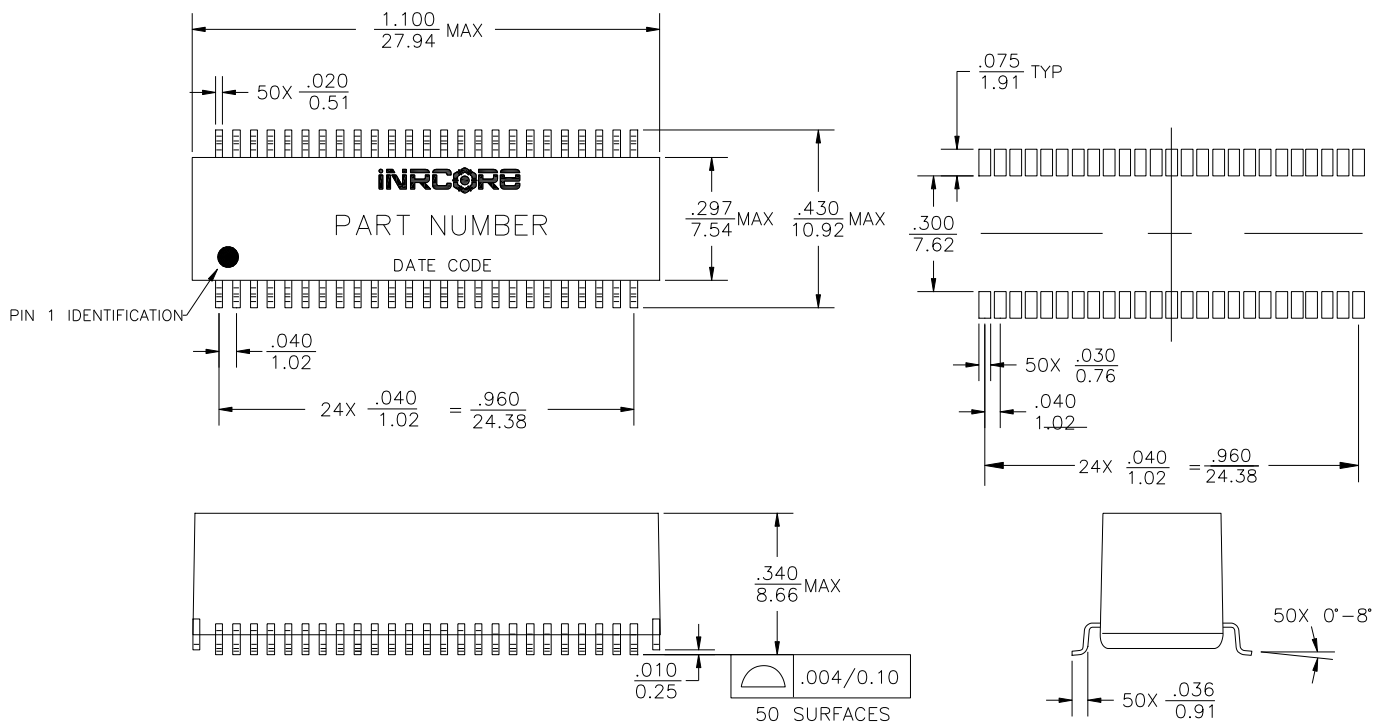
## Electrical Specifications @ 25 °C – Operating Temperature – 40 °C to +85 °C

Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN)				Crosstalk (dB MIN)			DM to CM Rejection Ratio (dB MIN)			Dielectric Withstanding Voltage @60s (Vrms MIN)
		30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
R5003NL	-1.2	-18	-14	-11	-9	-43	-37	-33	-43	-37	-33	1500

Notes: 1. Add suffix "T" to part number for Tape & Reel package (ie: **R5003NLT**).

## Mechanical

### R5003NL



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified,  
 all tolerances are  $\pm \frac{.010}{0.25}$

Weight.....4.6grams MAX  
 Tape and Reel.....250pcs/reel  
 Tube.....15pcs/tube



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## Electrical Schematic

R5003NL

