

10/100BASE-T DUAL 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

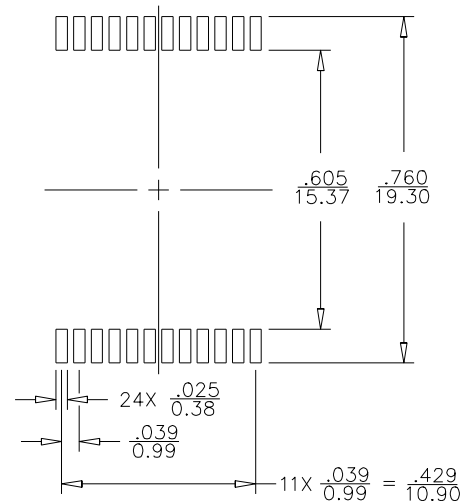
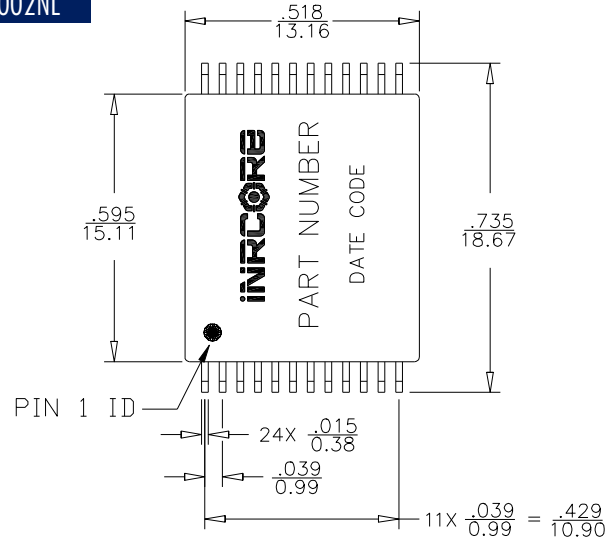
Electrical Specifications @ 25 °C – Operating Temperature – 40 °C to +85 °C

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Crosstalk (dB Min)				DM to CM Rejection Ratio (dB Min)			Dielectric Withstanding Voltage @60s (Vrms MIN)
	0.1-100 MHz	30 MHz	60 MHz	80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
R2002NL	-1.2	-18	-14	-12	-50	-43	-37	-33	-43	-37	-33	1500

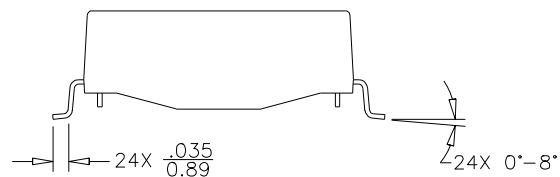
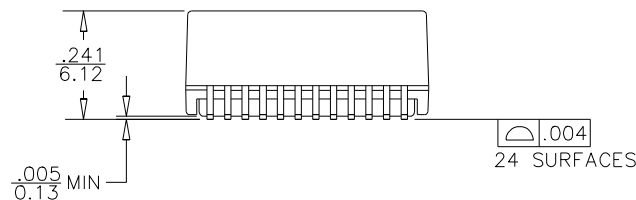
Notes: 1. Add suffix "T" to part number for Tape & Reel package (ie: **R2002NLT**).

Mechanical

R2002NL



SUGGESTED LAND PATTERN



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

Weight.....3.0grams
Tape and Reel.....300/reel
Tube 25/tube



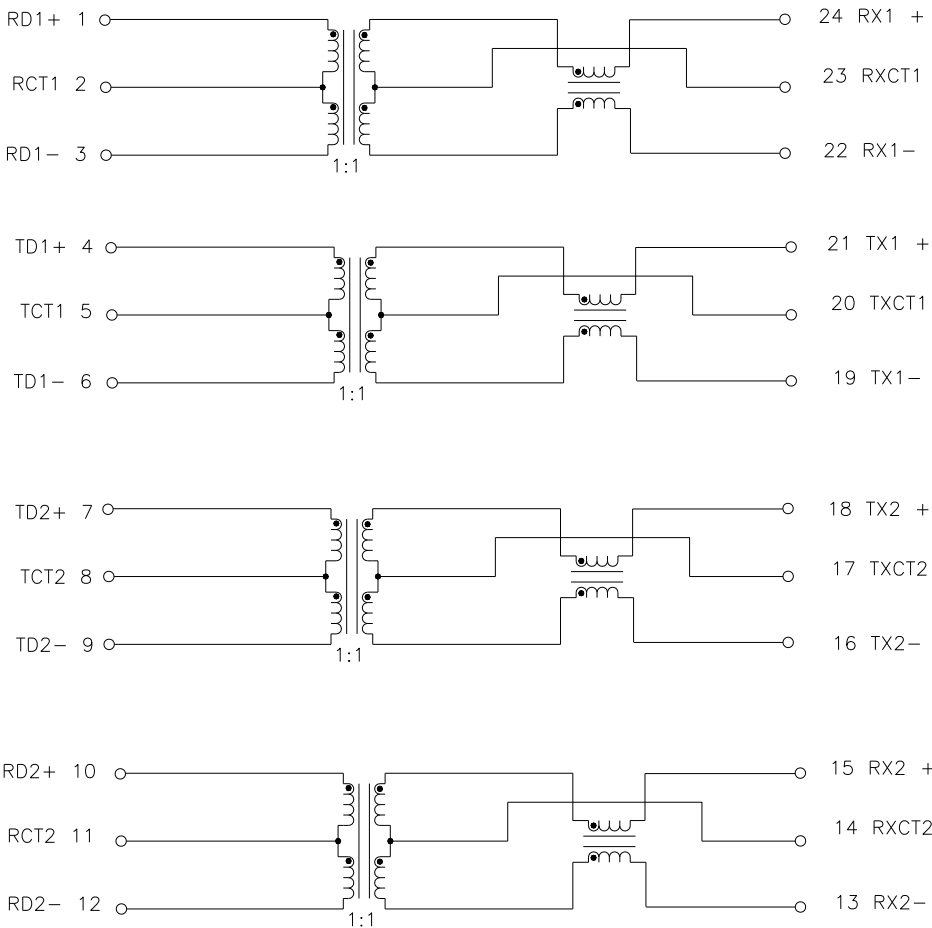
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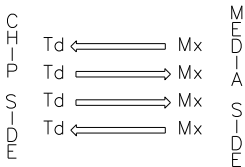


Electrical Schematic

R2002NL



LEGEND



ALL CHANNELS ARE
IN-PHASE BETWEEN
INPUT AND OUTPUT

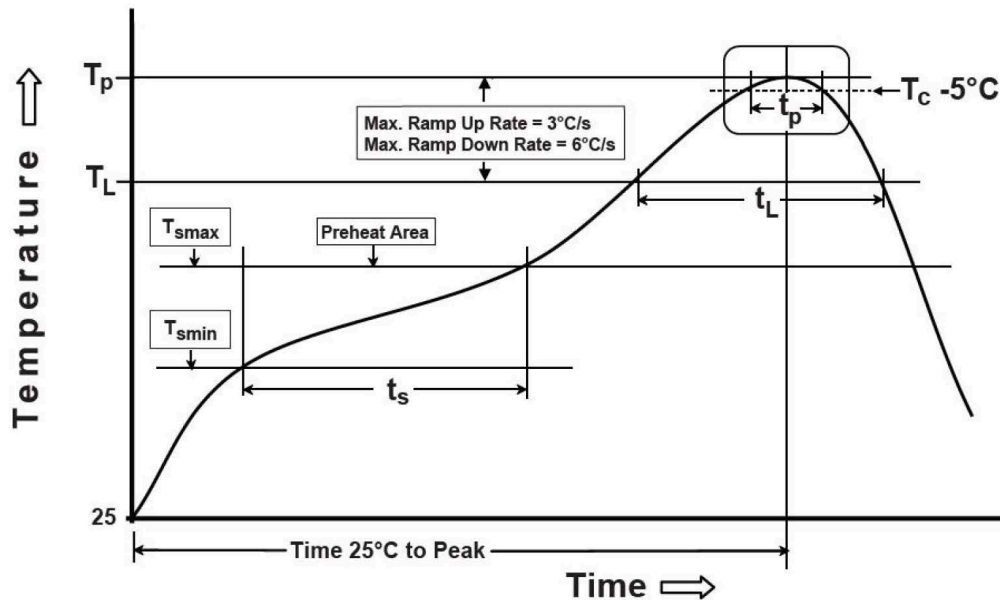


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Non-Lead Recommended Reflow Profile (Based on J-STD-020D)



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

iNRCORE, LLC

311 Sinclair Road Bristol,
PA 19007-6812 U.S.A
Tel: + 1.215.781.6400
Fax: +1.215.7816430

Dongguan iNRCORE Co. Ltd

No.7, An Li Road, Changan Town,
Dongguan City, China
Tel: +0769 8165 9962

Global Sales Representatives and Locations:

<http://www.inrcore.com>



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