

1000Base-T TRANSFORMER MODULE



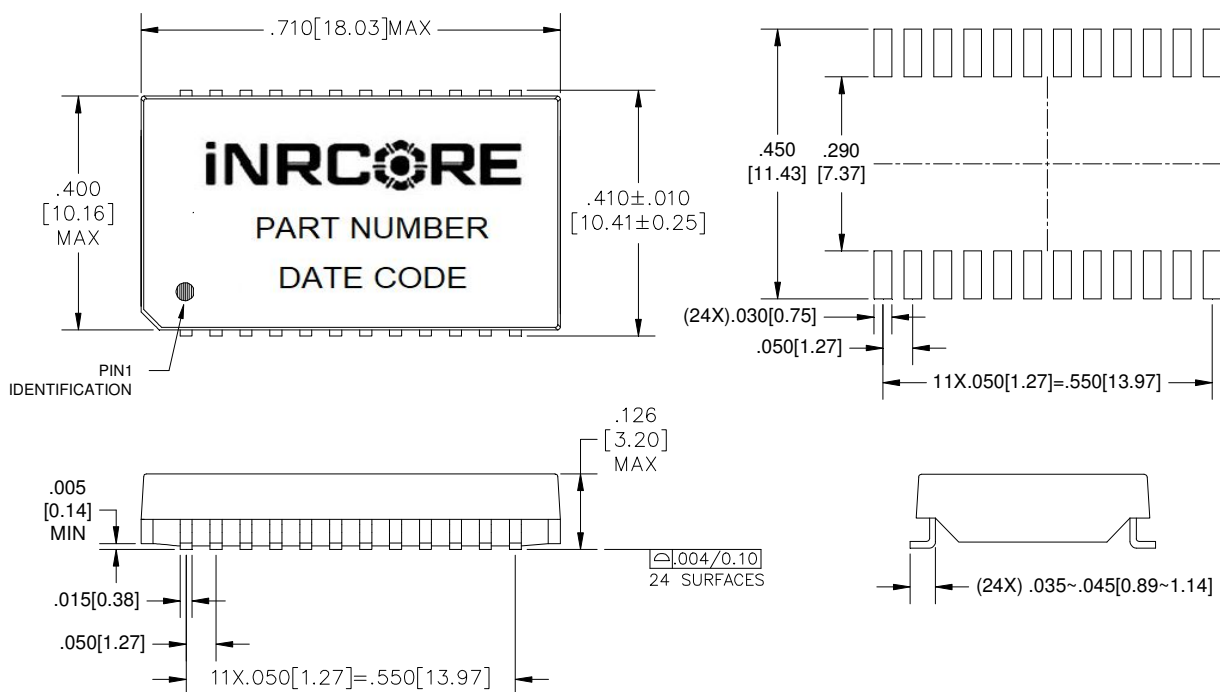
- ⚙ OCL 200uH MIN with 8mA DC, at 100kHz 100mV from -40°C to +85°C
- ⚙ Operating temperature: -40°C to +85°C
- ⚙ Storage temperature: -55°C to +125°C
- ⚙ Terminal finish: Pure Tin
- ⚙ MSL: 1

Electrical Specifications @ 25°C

Part Number	Insertion Loss (dB MIN)	Return Loss (dB MAX)				Crosstalk (dB MAX)			Common Mode Rejection (dB MAX)			Dielectric Withstanding Voltage @5s (Vrms MIN)
	0.1-100 MHz	40 MHz	60 MHz	80 MHz	100 MHz	32 MHz	62 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
1000B-5039NL	-1.2	-16	-12	-10	-8	-43	-37	-33	-31	-25	-20	1500

Notes: 1. Add suffix "T" to part number for Tape & Reel package (ie: 1000B-5039NLT).

Mechanical

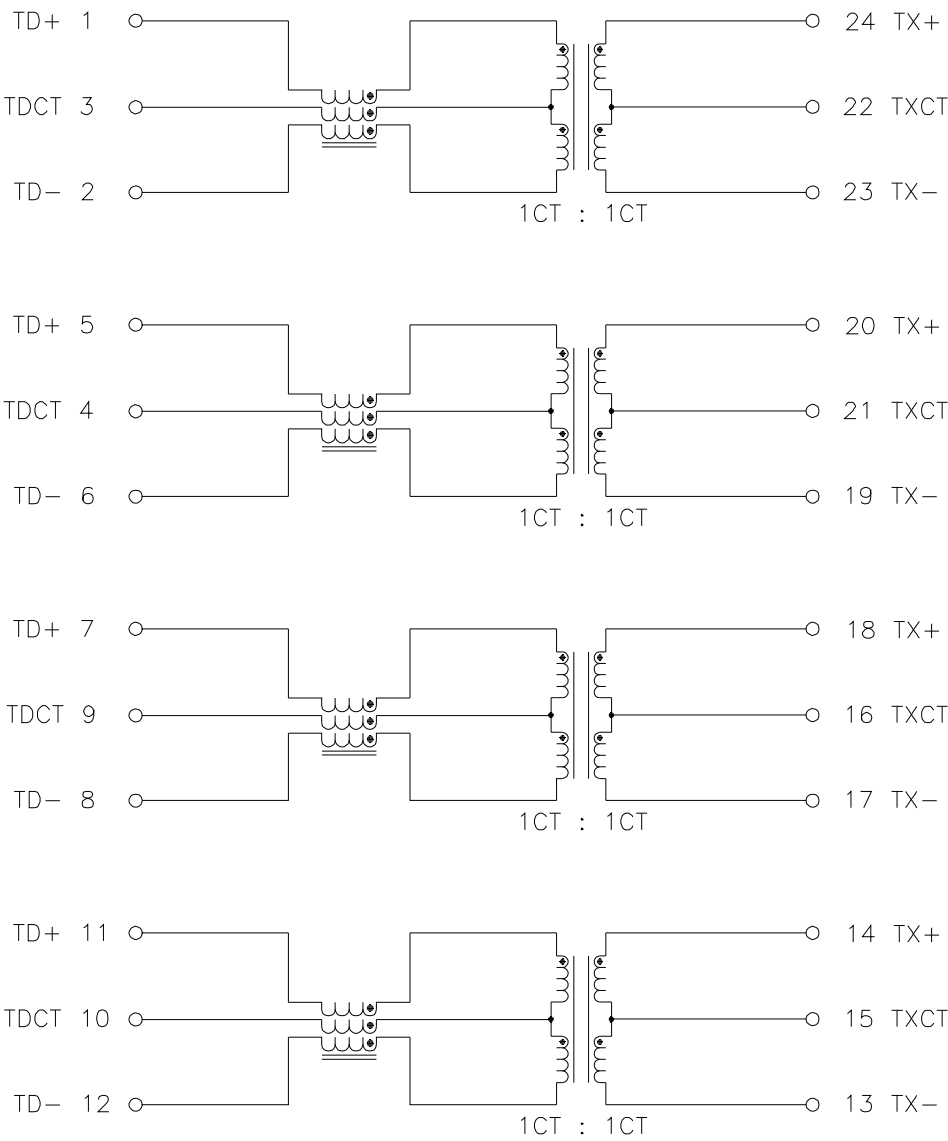


Weight.....1.20grams MAX
Tape & Reel.....400pcs/reel
Tube.....25pcs/tube

Dimensions: Inches[mm]
Unless otherwise specified,
all tolerances are ±.010[0.25]



Schematic



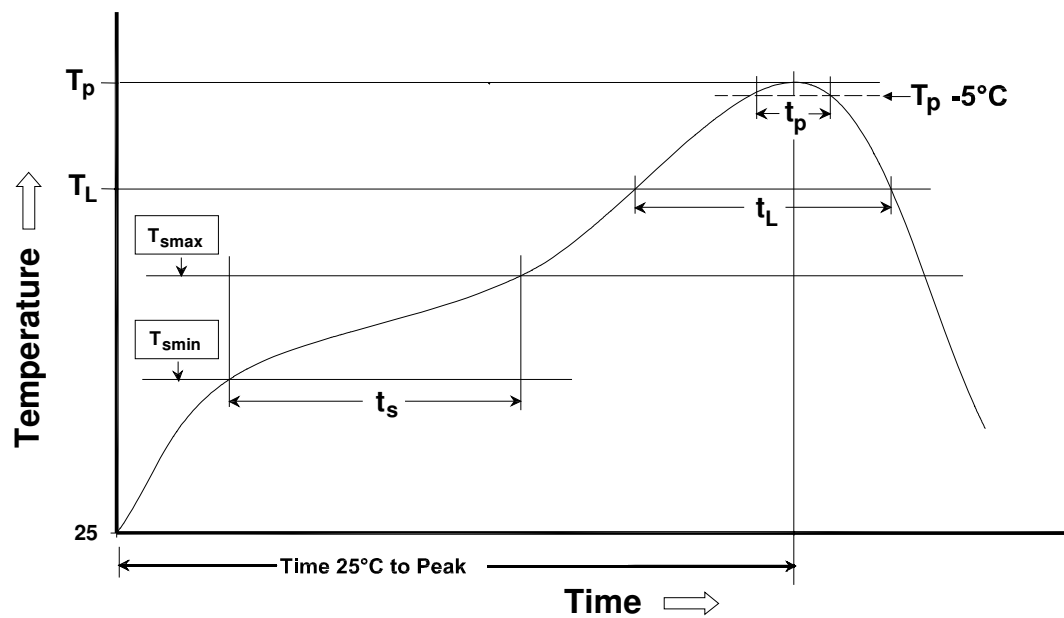
LEGEND

C	Td	↔	Mx	M
H	Td	↔	Mx	F
P	Td	↔	Mx	D
S	Td	↔	Mx	A
D	Td	↔	Mx	S
E	Td	↔	Mx	D
				E

ALL CHANNELS ARE
IN-PHASE BETWEEN



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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