

10/100 BASE – TX SINGLE PORT TRANSFORMER MODULE

Ruggedized



X-1644FNL



- ⚙️ 10K VAC for 60 second
- ⚙️ 350uH OCL with 8mA DC
- ⚙️ Operating Temperature: -40°C to +85°C
- ⚙️ Storage Temperature: -55°C to +125°C
- ⚙️ Pure tin finish
- ⚙️ Withstands 245°C Max Reflow Temperature Moisture
- ⚙️ Sensitivity Level: 3
- ⚙️ RoHS6

Electrical Specifications 25°C — Operating Temperature -40°C to +85°C

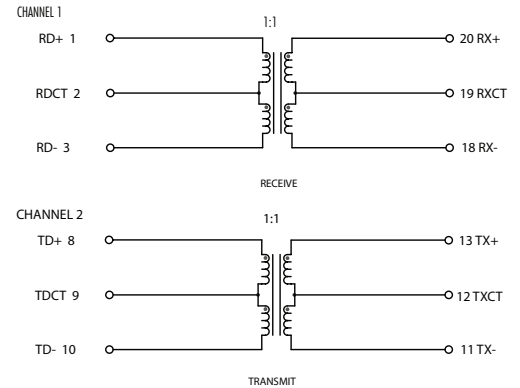
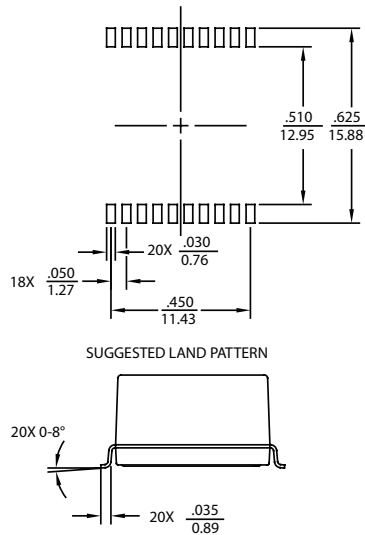
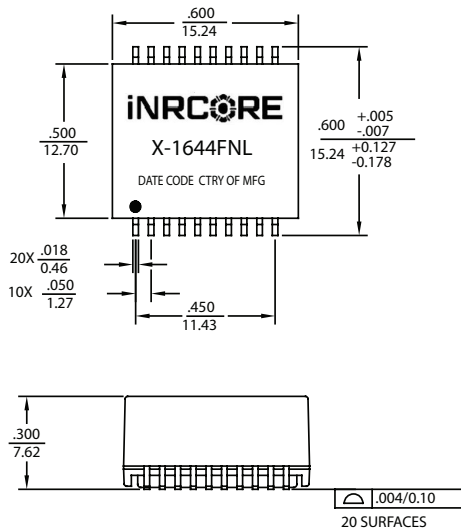
Part Number	Insertion Loss (dB MAX)				Return Loss (dB MIN)						Crosstalk (dB MIN)				Differential to Common Mode Rejection (dB MIN)			
	0.1 - 30MHz	60 MHz	80 MHz	100 MHz	5 MHz	30 MHz	50 MHz	60 MHz	80 MHz	100 MHz	1MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	200 MHz
X-1644FNL	-1	-2	-2.5	-3.5	-18	-9	-6	-5	-3	-2	-45	-30	-27	-25	-36	-32	-30	-25

Notes: 1. For Tape & Reel Packaging, add "T" suffix at the end of the part number; i.e. X-1644FNLT

Mechanical

Schematic

X-1644FNL



Weight 2.6 grams
Tube 20/tube
Tape & Reel 300/reel

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

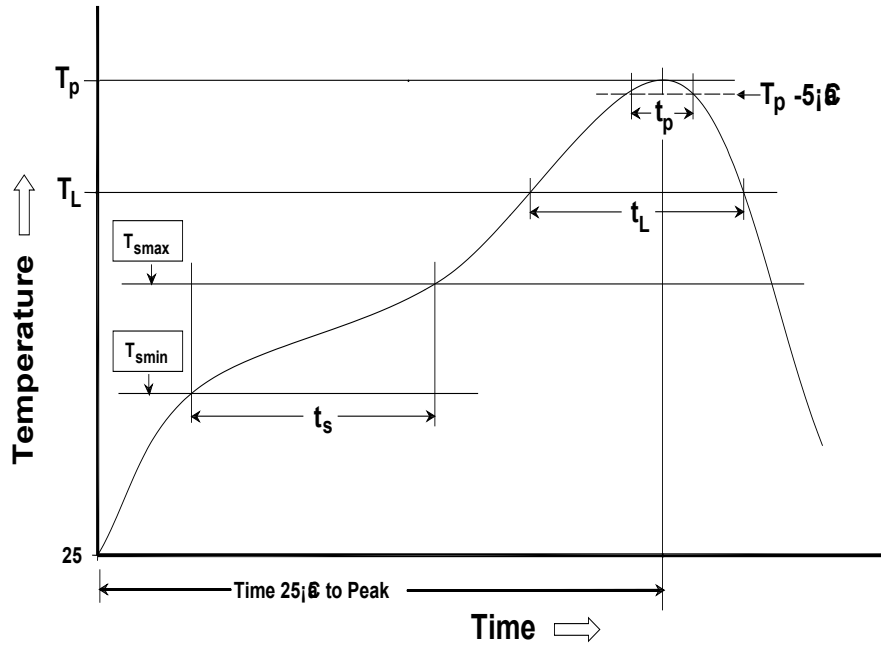


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Non-Lead Recommended Reflow Profile (Based on J-STD-020D)



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

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