10/100BASE - TX SINGLE PORT TRANSFORMER MODULE

Ruggedized

- 10K VAC for 60 second
- 350µH 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

Part Number	Insertion Loss (dB MAX)					Return Loss (dB MIN)						Crosstalk (dB MIN)				DM to CM Rejection Ratio (dB MIN)			
	0.10 MHz	30 MHz	60 MHz	80 MHz	100 MHz	5 MHz	30 MHz	50 MHz	60 MHz	80 MHz	100 MHz	1 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	200 MHz
X-1644FNL	1.0	1.0	2.0	2.5	3.5	18	9	6	5	3	2	45	30	27	25	36	32	30	25

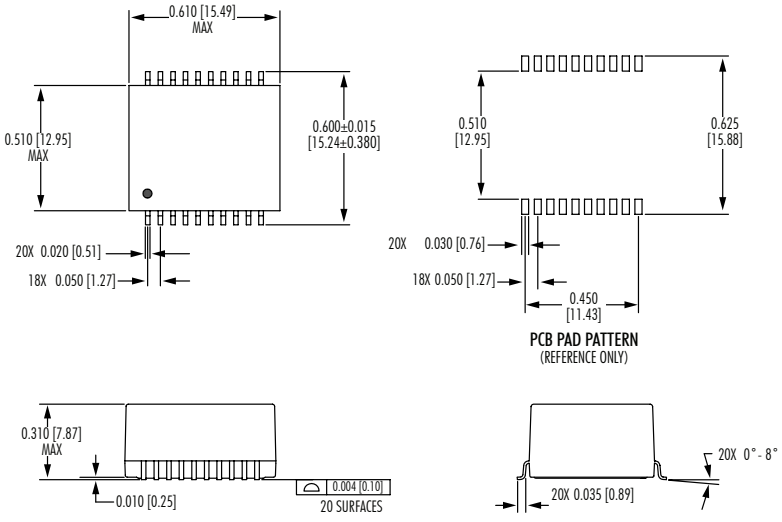
NOTES:

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

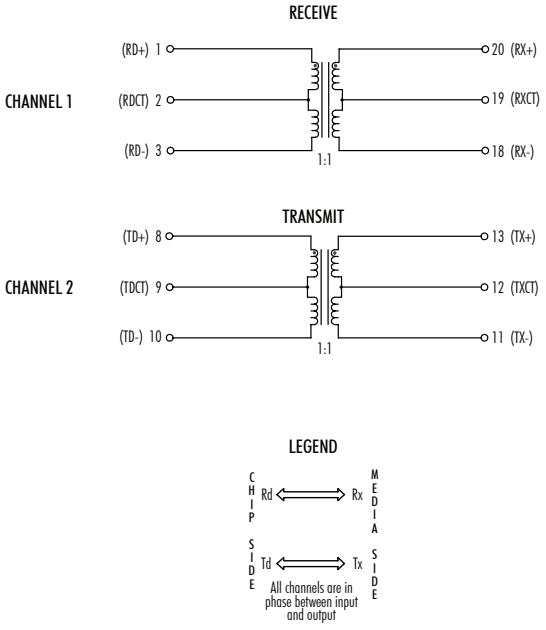
Mechanicals

X-1644FNL

Dimensions: inch [mm]
Tolerance (unless otherwise specified): ±0.010 [0.25]



Electrical Schematics



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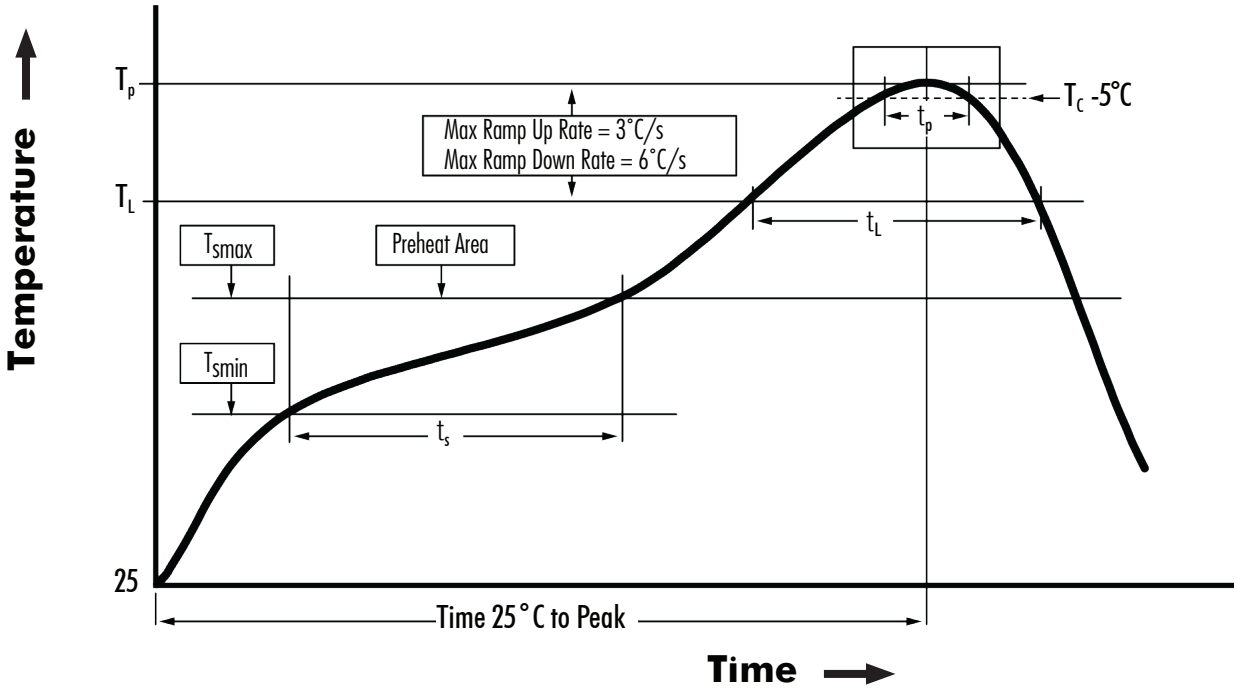
Tin/Lead Recommended Reflow Profile (Based on J-STD-020D)



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

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