## 10/100BASE - TX SINGLE PORT TRANSFORMER MODULE

Ruggedized



10KVAC isolation between input and output

• 350µH OCL with 8mA DC

ullet Operating Temperature: -40°C to +85°C

• Storage Temperature:  $-55^{\circ}$ C to  $+125^{\circ}$ C

• Lead Finish: Sn100

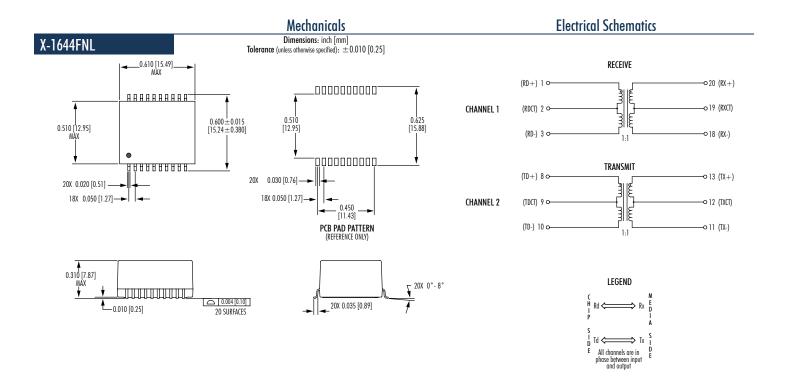
Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C																			
	Insertion Loss					Return Loss						Crosstalk				DM to CM Rejection Ratio			
	(dB MAX)					(dB MIN)						(dB MIN)				(dB MIN)			
Part	0.10	30	60	80	100	5	30	50	60	80	100	1	30	60	100	30	60	100	200
Number	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
X-1644FNL	1.0	1.0	2.0	3.0	4.0	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

X-1644FNL



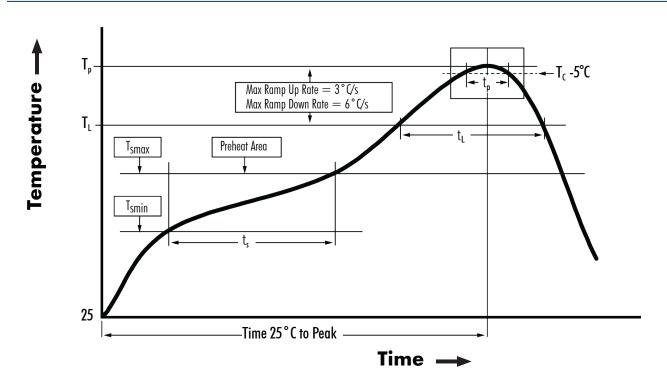


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### Recommended Reflow Profile (Based on J-STD-020D)



T <sub>smin</sub> (°C)	T <sub>smax</sub> (°C)	T <sub>լ</sub> (°C)	T <sub>p</sub> (°C MAX)	† <sub>s</sub> (s)	† <sub>L</sub> (s)	t <sub>p</sub> (s MAX)	Ramp-up rate (T <sub>L</sub> to T <sub>P</sub> )	Ramp-down rate (T <sub>P</sub> to T <sub>L</sub> )	Time 25°C to peak temperature (s MAX)			
Non-Lead Profile												
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 number of reflow cycles not to exceed 2.

