

10/100 BASE-TX SINGLE PORT TRANSFORMER MODULES

Ruggedized



- ⚙️ Compliant with IEEE802.3 standards
- ⚙️ 350uH OCL with 8mA DC bias
- ⚙️ Epoxy encapsulated package withstands 235°C peak temperature profile
- ⚙️ Moisture Sensitivity Level: 3

Electrical Specifications @ 25 °C – Operating Temperature – 55°C to +125 °C

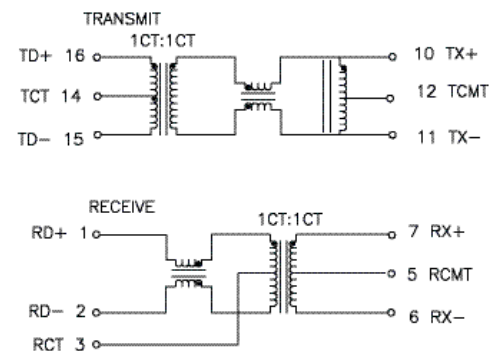
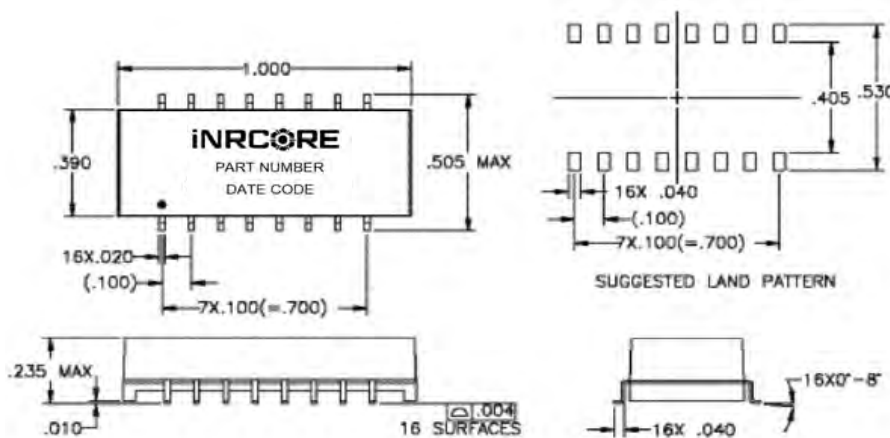
Part Number	Insertion Loss (dB MIN)	Return Loss (dB MAX)					Crosstalk (dB MAX)				Differential to Common Mode Rejection (dB MAX)			Common to Common Mode Rejection (dB MAX)	
		0.1-100 MHz	2-30 MHz	50 MHz	60 MHz	80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-30 MHz	30-60 MHz
100B-1027FX	-1.5	-18	-14	-12	-10	-50	-45	-38	-33	-42	-37	-33	-40	-35	-30

Note: For Tape and Reel packaging, add "T" suffix to the end of the part number; i.e. **100B-1027FXT**

Mechanical

Electrical Schematic

100B-1027FX



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are: $\pm \frac{.010}{0,25}$

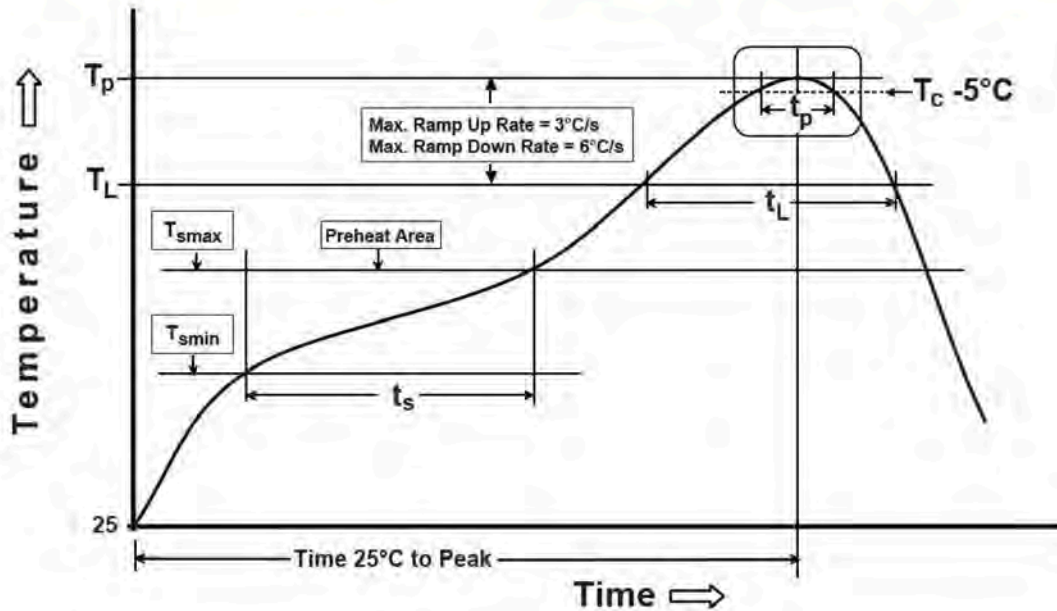


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Tin/Lead Recommended Reflow Profile (Based on J-STD-020D)



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)
100	150	183	235	60-120	60-150	20	3°C/s MAX	6°C/s MAX	360

Notes:

1. All temperatures measured on the package leads.
2. Maximum times of reflow cycle: 2.

For More Information

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