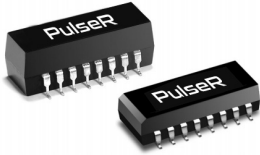


10/100 BASE-TX SINGLE-PORT TRANSFORMER MODULES

Ruggedized



- R Compliant with IEEE802.3 standards
- R 350uH OCL with 8mA DC bias
- R Operating temperature: -55°C to +125°C
- R Epoxy encapsulated package withstands 235°C peak temperature profile
- R Moisture Sensitivity Level: 3

Electrical specification @25°C

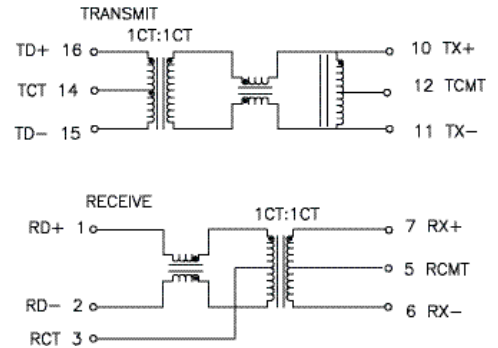
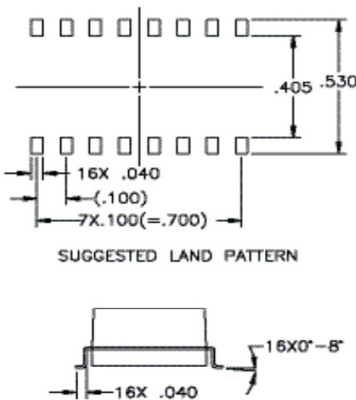
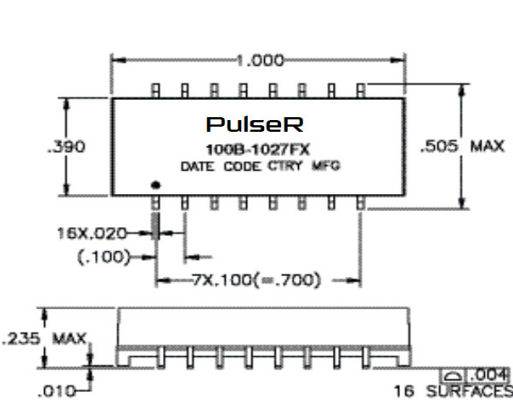
PartNumber	Insertion Loss (dB MIN)	Return Loss (dB MAX)					Crosstalk (dB MAX)				Differential to Common Mode Rejection (dB MAX)			Common to Common Mode Rejection (dB MAX)		
	0.1-100 MHz	2-30 MHz	50 MHz	60 MHz	80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-30 MHz	30-60 MHz	60-100 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

Mechanicals

Schematic

100B-1027FX



Weight..... 3.70grams
 Tape & Reel..... 300/reel
 Tube..... 20/tube

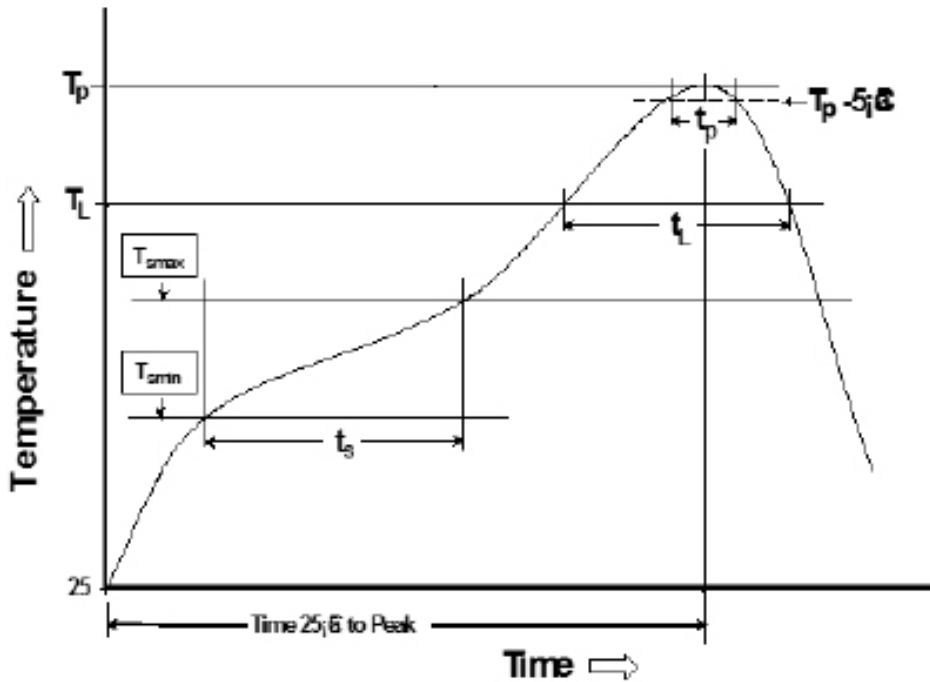
Dimensions: Inches
mm
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{.025}$

10/100 BASE-TX SINGLE-PORT TRANSFORMER MODULES

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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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