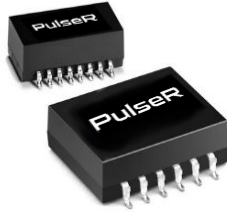


10/100 BASE-TX SINGLE-PORT TRANSFORMER MODULES

Ruggedized



- R** Compliant with IEEE802.3 standards
- R** 350uH OCL with 8mA DC bias
- R** Operating temperature (100B-1022): -40°C to +85°C
- R** Extended Operating Temperature (100B-1022X): -55°C to +125°C
- R** Moisture Sensitivity Level: 3

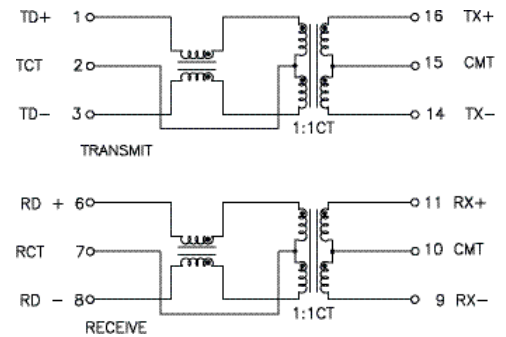
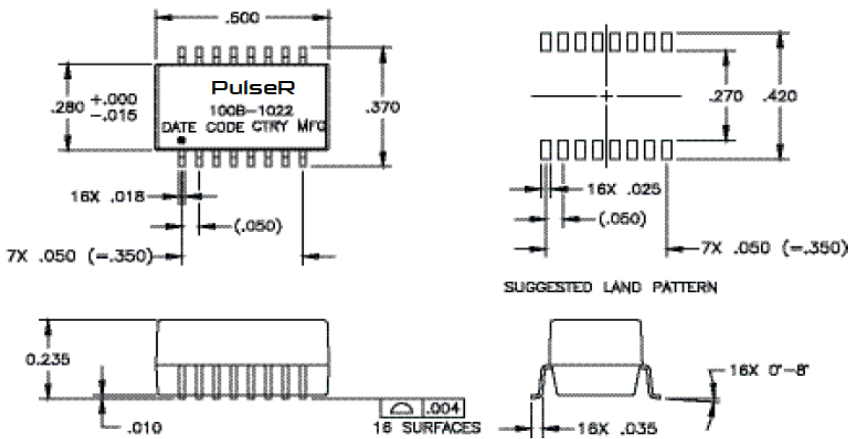
Electrical specification @25°C

Part Number	Insertion Loss (dB MIN)	Return Loss (dB MAX)				Crosstalk (dB MAX)				Differential to Common Mode Rejection (dB MAX)		
	0.1-100 MHz	5-30 MHz	50 MHz	60 MHz	80 MHz	16 MHz	30 MHz	60 MHz	100 MHz	5-30 MHz	30-60 MHz	60-100 MHz1
100B-1022	-1.0	-20	-14	-14	-12	-48	-45	-40	-35	-42	-37	-32
100B-1022X	-1.0	-20	-14	-12	-12	-48	-45	-40	-35	-42	-37	-32

Mechanicals

Schematic

100B-1022(X)



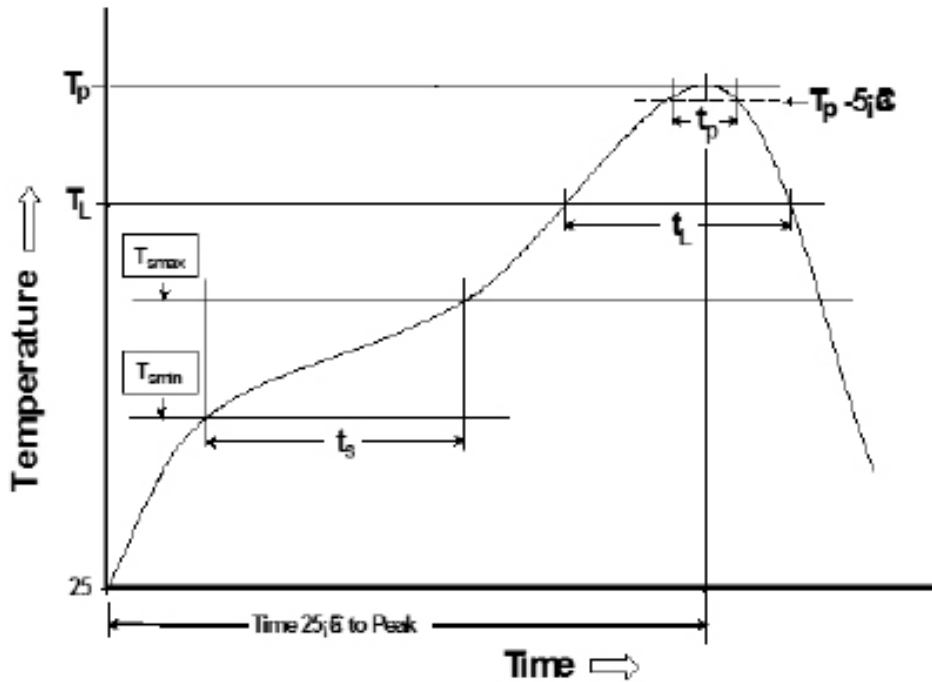
Weight..... 1.70 grams
 Tape & Reel..... 600/reel
 Tube..... 40/tube

Dimensions: Inches
 mm
 Unless otherwise specified,
 all tolerances are $\pm .010$
 0,25

10/100 BASE-TX SINGLE-PORT TRANSFORMER MODULES

Ruggedized

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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