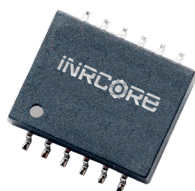


Ruggedized



- ⦿ Compliant with IEEE 802.3u & ANSI X3.263 standards
- ⦿ 350pH OCL with 8mA D.C.
- ⦿ Operating Temperature: -55°C to +125°C
- ⦿ IC grade transfer-molded package withstands 235°C peak temperature profile
- ⦿ Moisture Sensitivity Level: 3

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	2 MHz	30 MHz	50 MHz	60 MHz	80 MHz	16 MHz	30 MHz	60 MHz	80 MHz	0.10 MHz	30 MHz	60 MHz	100 MHz
100B-1018X	1.2	1.2	1.2	1.2	1.2	18	18	14	12	10	48	44	40	38	45	40	33	33

NOTES:

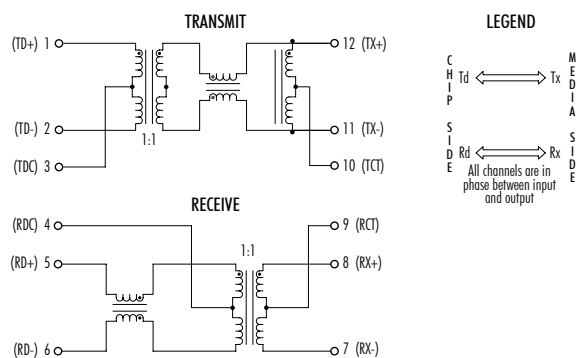
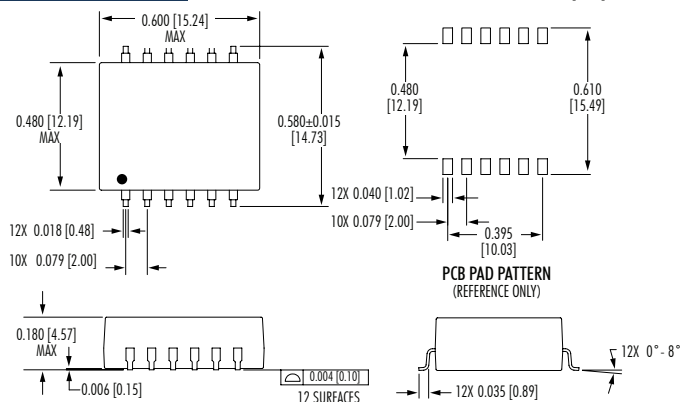
1. Standard Parts have Sn63/Pb37 Lead Finish (MSL:3)
2. Add suffix "NL" for RoHS compliant version; i.e. 100B-1018X becomes **100B-1018XNL**. NL parts have 100% SN Lead Finish (MSL:4)
3. For Tape & Reel packaging, add "T" suffix at the end of the part number; i.e. **100B-1018XNLT**

Mechanicals

Electrical Schematics

100B-1018X

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

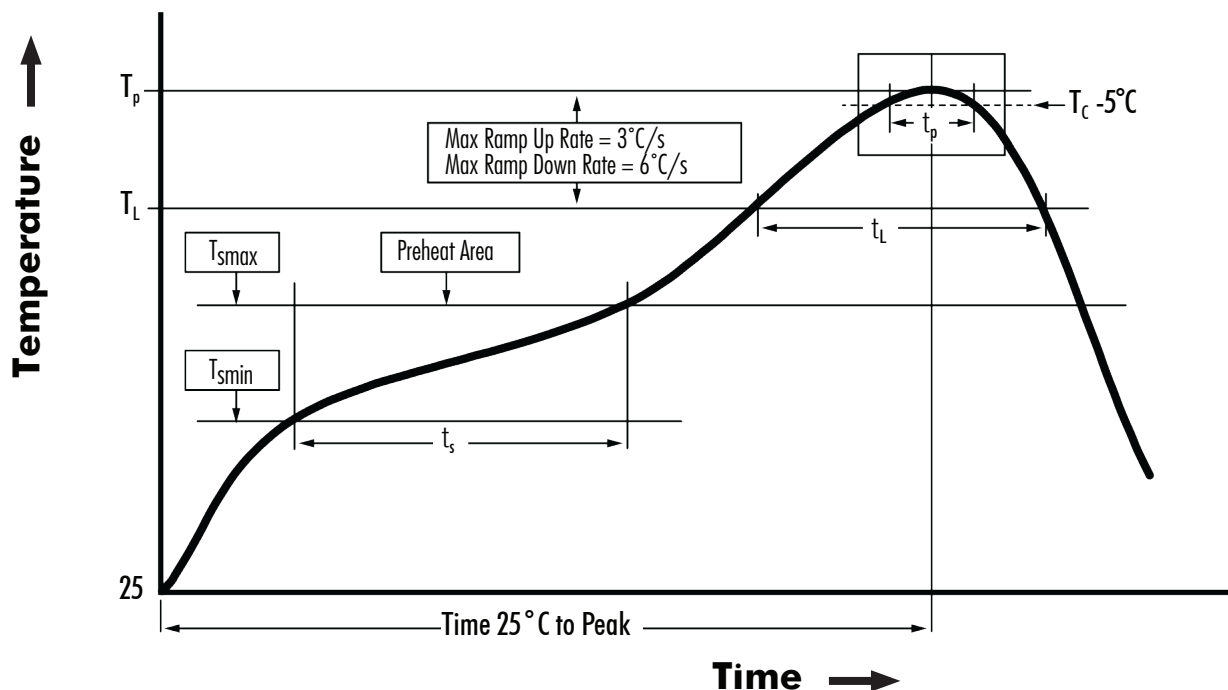


10/100BASE - TX SINGLE PORT TRANSFORMER MODULE

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



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M189.F (10/21)

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