100BASE-T SINGLE PORT TRANSFORMER MODULES

Ruggedized



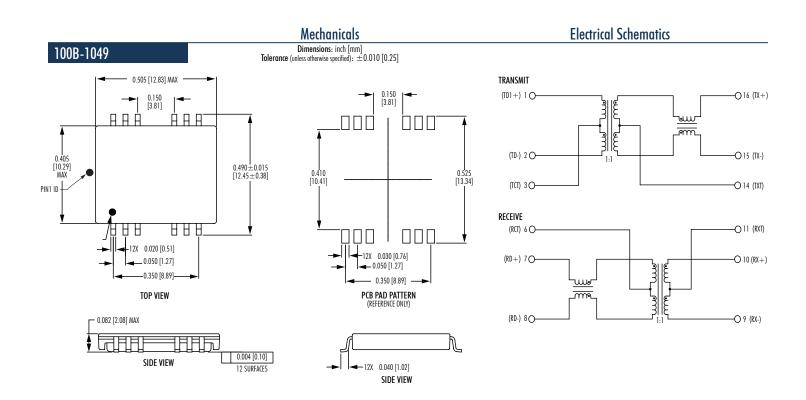
- Compliant with IEEE 802.3 Standard
- 350µH OCL with 8mA DC bias
- Dielectric Withstanding Voltage (DWV): 1500 Vrms
- Operating Temperature: -40° C to $+85^{\circ}$ C
- Storage Temperature: -55° C to $+125^{\circ}$ C
- Lead Finish: Hot Dip Sn63/Pb37 Solder
- Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C															
	Turns RatioInsertion Loss(±5%)(dB MAX)				Return Loss (dB MIN)				Crosstalk (dB MIN)			DM to CM Rejection (dB MIN)			
Part Number	Pri:Sec	0.10 MHz	10 MHz	50 MHz	100 MHz	5 MHz	30 MHz	60 MHz	80 MHz	30 MHz	62 MHz	100 MHz	30 MHz	60 MHz	100 MHz
100B-1049	1CT:1CT	1.0	1.0	1.0	1.0	18	16	12	12	45	40	35	42	37	33

NOTES:

1. Add suffix "NL" for RoHS compliant version; i.e. 100B-1049A becomes 100B-1049NL. NL parts have 100% SN Lead Finish.

2. For Tape and Reel Packaging, add "T" suffix at the end of the part number; i.e. 100B-1049T.



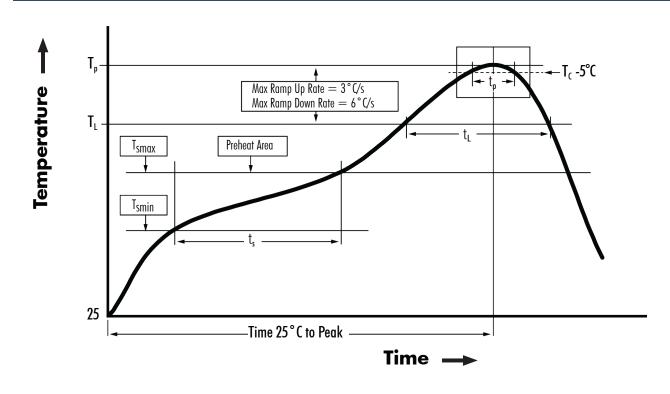


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Recommended Reflow Profile (Based on J-STD-020D)



T _{smin} (°C)	T _{smax} (°C)	т _. (°С)	T _P (°C MAX)	t _s (s)	t _L (s)	t _e (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)			
Tin/Lead Profile												
100	150	183	220	60 - 120	60 - 150	20	3°C/s MAX	6°C/s MAX	360			
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.

3. Reflow cycle applies only to surface mount parts.



iNRCORE, LLC 311 Sinclair Road, Bristol, PA 19007-6812 USA Tel: +1.215.781.6400 Fax: +1.215.781.6430

www.iNRCORE.com