10G BASE-T 5 CHANNEL TRANSFORMER MODULE

Ruggedized

- Compliant with IEEE 802.3 standards
- Additional channel for CM noise detection
- Operating Temperature: -40°C to +125°C
- Storage Temperature: -55°C to +150°C
- Dielectric Withstanding Voltage (DWV): 1500 Vrms MAX
- Moisture Sensitivity Level: 3
- Terminal Finish: Sn63Pb37

Electrical Specifications @ 25°C

Part Number	Insertion Loss (dB MAX)		Return Loss (dB MIN)						Crosstalk (dB MIN)			DM to CM Rejection (dB MIN)		
	0.10 MHz	500 MHz	1 MHz	10 MHz	100 MHz	300 MHz	400 MHz	500 MHz	1 MHz	100 MHz	400 MHz	1 MHz	250 MHz	500 MHz
10GB-6009	3	2	22	24	20	12	8	6	40	37	30	40	30	22

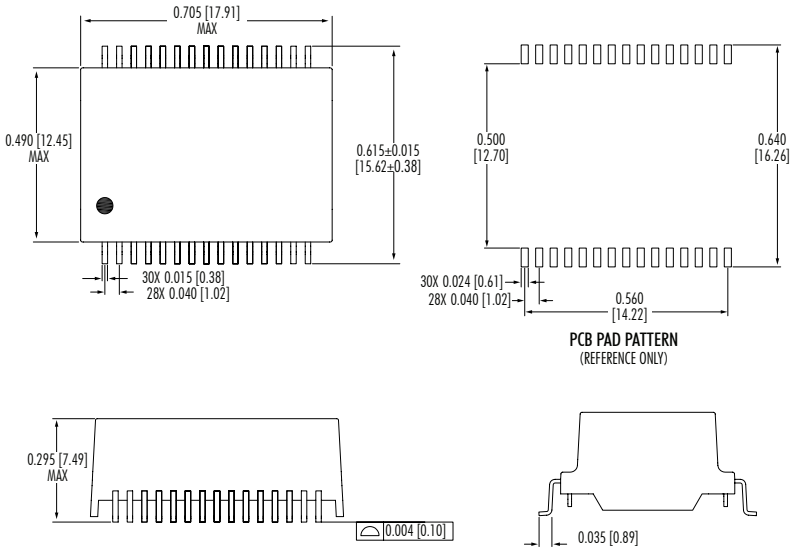
NOTES:

1. Add suffix "**NL**" for RoHS compliant version; i.e. 10GB-6009 becomes **10GB-6009NL**. NL parts have 100% SN Lead Finish (MSL:4)
2. For Tape & Reel packaging, add "**T**" suffix at the end of the part number: i.e. **10GB-6009NLT**.

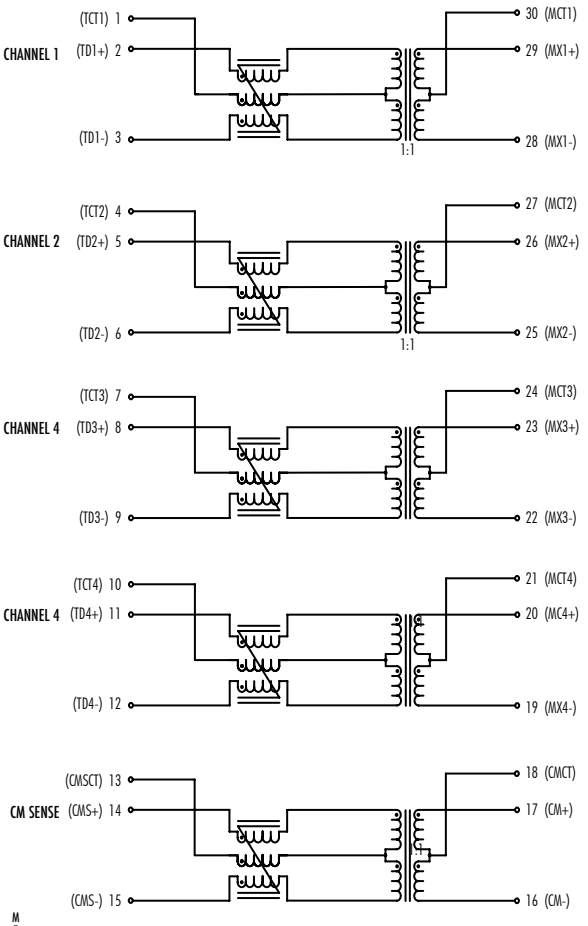
Mechanicals

10GB-6009

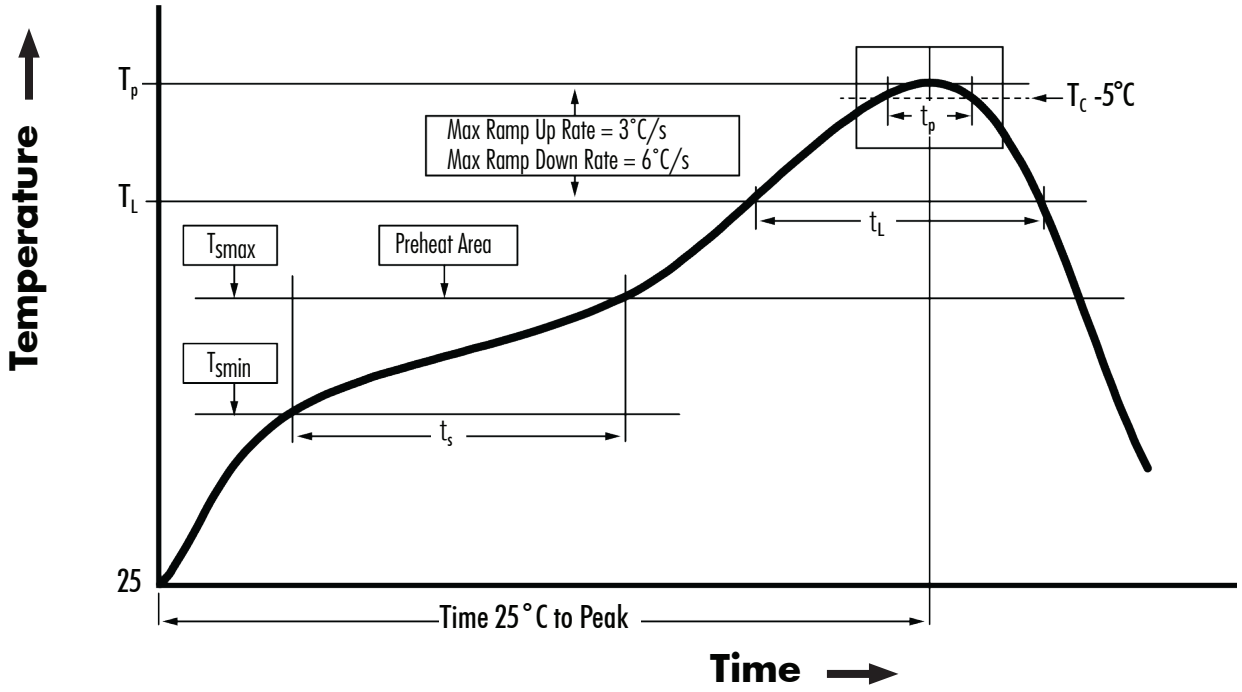
Dimensions: inch [mm]
Tolerance (unless otherwise specified): ±0.010 [0.25]



Electrical Schematics



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 number of reflow cycles not to exceed 2.

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