10G BASE-T SINGLE PORT TRANSFORMER MODULE

Ruggedized



Compliant with IEEE 802.3 standards
 Operating Temperature: -40°C to +85°C

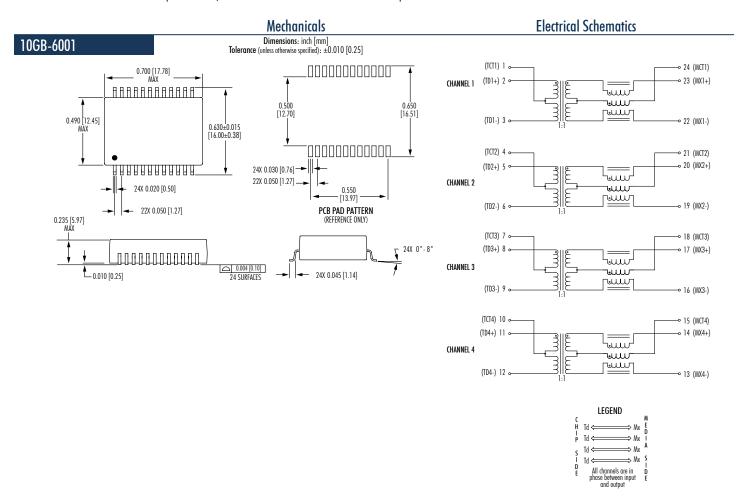
• Dielectric Withstanding Voltage (DWV): 1500 Vrms

Terminal Finish: Sn63Pb37
 Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C														
	Insertion Loss				Return Loss						Crosstalk			
	(dB MAX)				(dB MIN)						(dB MIN)			
Part	100	100	400	500	1	10	100	300	400	500	1	30	100	400
Number	kHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
10GB-6001	3.0	1.0	1.5	1.80	22	24	18	14	10	8	65	42	35	25

NOTES:

1. Add suffix "NL" for RoHS compliant version; i.e. 10GB-6001 becomes 10GB-6001NL. NL parts have 100% SN Lead Finish.



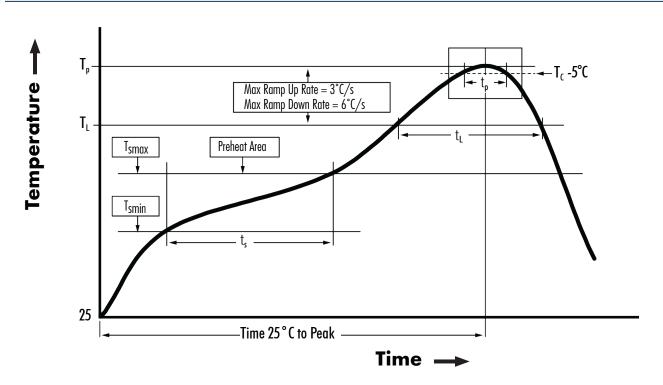


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Recommended Reflow Profile (Based on J-STD-020D)



T _{smin} (°C)	T _{smax} (°C)	T _լ (°C)	T _P (°C MAX)	† _s (s)	†_ (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)		
Tin/Lead Profile											
100	150	183	220	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.

