10G BASE-T SINGLE PORT TRANSFORMER MODULE

Industrial Grade



- Compliant with IEEE 802.3 standards
- 350µH OCL with 8mA D.C.bias at 100KHz, 100mV
- Dielectric Withstanding Voltage (DWV): 1500 Vrms
- Operating Temperature: -40° C to $+85^{\circ}$ C
- Lead Finish: Pure Tin
- Moisture Sensitivity Level: 1

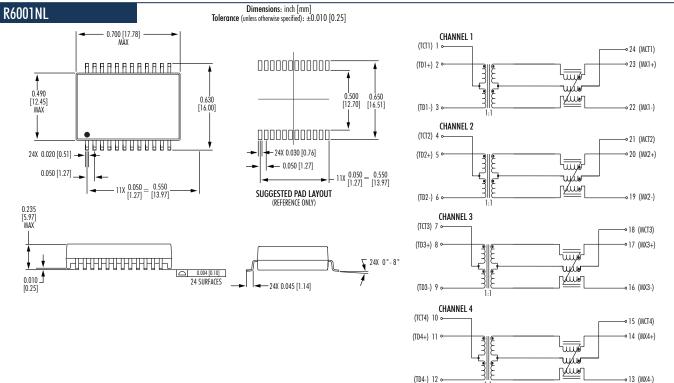
Electrical Specifications @ 25°C												
	Insertion Loss				Return Loss				Crosstalk			
	(dB MAX)				(dB MIN)				(dB MIN)			
Part	0.30	100	400	500	1	100	400	500	1	30	100	400
Number	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
R6001NL	3.0	1.0	1.5	1.8	22	20	10	8	45	42	35	25

NOTES:

- 1. For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. R6001NLT.
- 2. Country of Origin: China

Mechanicals

Electrical Schematics



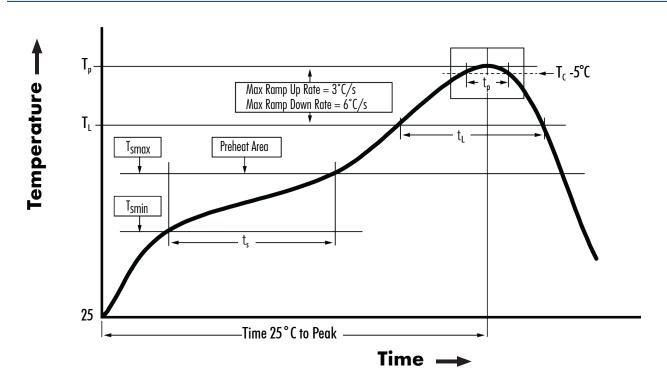


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Recommended Reflow Profile (Based on J-STD-020D)



T _{smin} (°C)	T _{smax} (°C)	T _L (°C)	T _P (°C MAX)	† _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)		
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.

