



**THE DATASHEET OF
1000B-5001FNL**



COPPERHEAD™ HIGH SPEED DUAL TRANSFORMERS



Ruggedized



- Compliant with ANSI X3T11, Fiber Channel, FC-PH-3 for quarter/full speed applications, SMPTE, IEEE-1394 FireWire
- Dielectric Withstanding Voltage (DWV): 1500 Vrms
- Operating & Storage Temperature: -55°C to +125°C
- Lead Finish: Sn63/Pb37
- Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	Primary Inductance 100kHz, 0.02Vrms (µH MIN)	Rise Time @ 20% to 80% (pS MAX)	DC Resistance (Ω MAX)	Insertion Loss 500 - 1600MHz (dB MAX)	Application Nominal Data Rate (Mbps)
T-3200SCT	1:1	0.70	200	0.20	4.5	3200 (SMPTE)

NOTES:

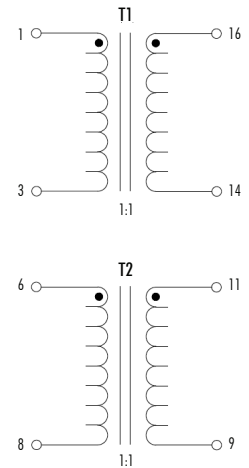
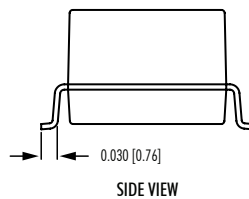
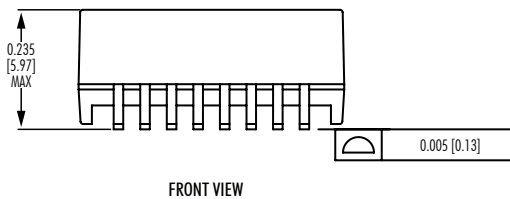
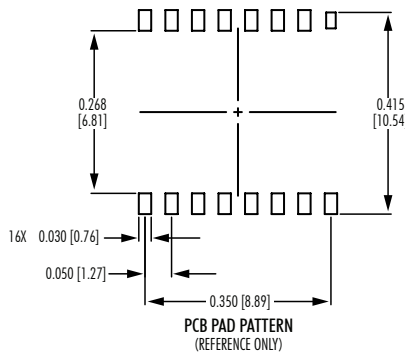
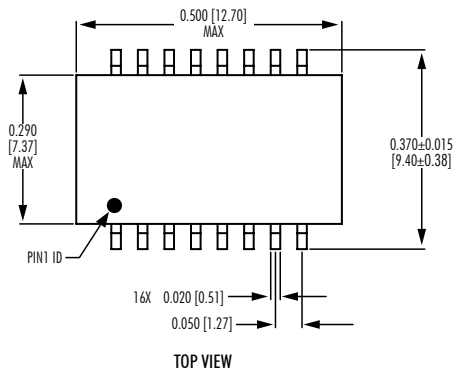
- For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. T-3200SCTT

Mechanicals

Electrical Schematics

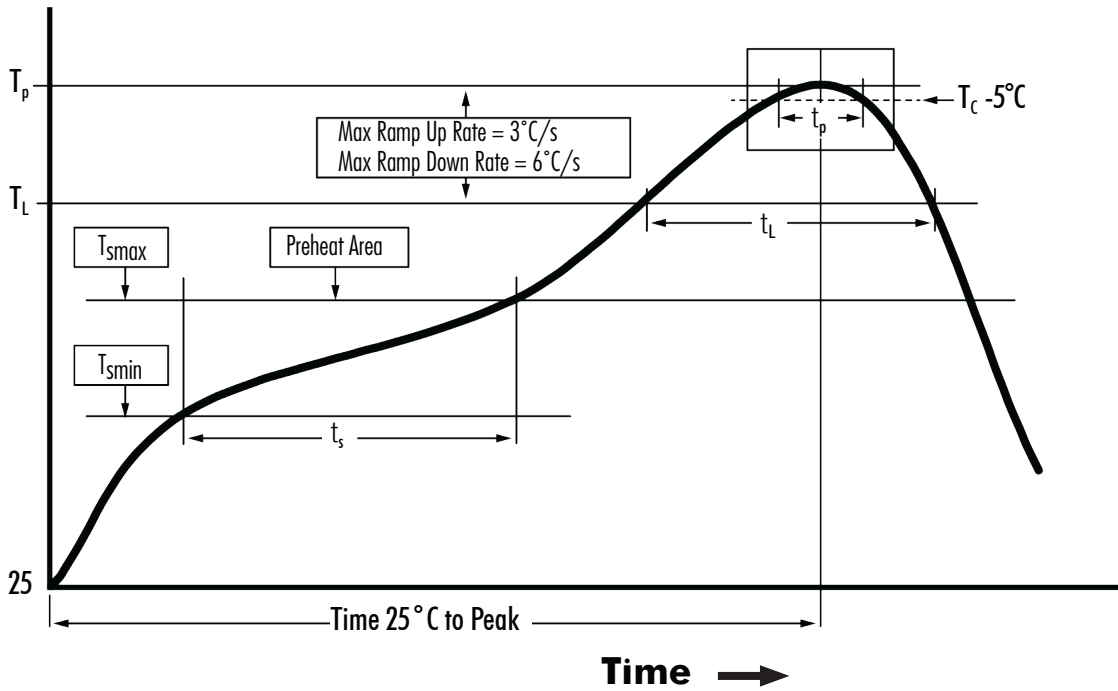
T-3200SCT

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



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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 - 180	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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