

# COPPERHEAD™ HIGH SPEED DUAL TRANSFORMERS & CMC MODULE

Ruggedized



- Compliant with ANSI X3T111
- Operating & Storage Temperature: -55°C to +125°C
- Dielectric Withstanding Voltage (DWW): 1500 Vrms
- Lead Finish: Sn63/Pb37
- Moisture Sensitivity Level: 3

## Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	Primary Inductance 100kHz, 1.0Vrms (μH MIN)	Primary DC Resistance (Ω MAX)	Insertion Loss (dB MAX)	Application Nominal Data Rate (Mbps)
T-1485TCM	1:1	2.5	0.25	-	1485 (SMPTE)
T-3200TCM	1:1	0.70	0.25	4.5 @ 1.6GHz	3200 (SMPTE)

### NOTES:

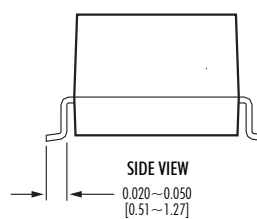
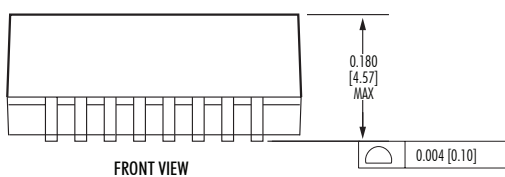
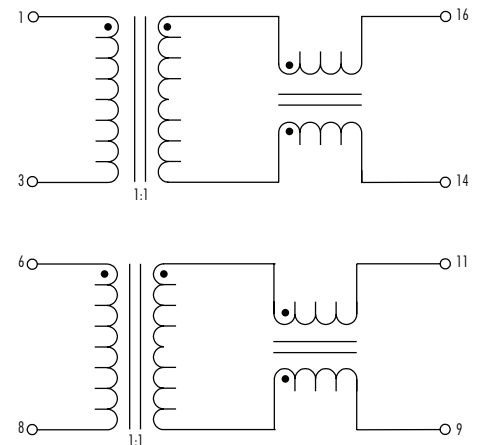
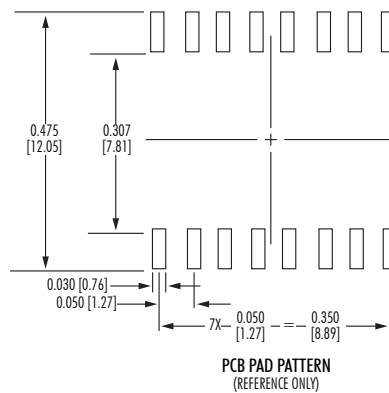
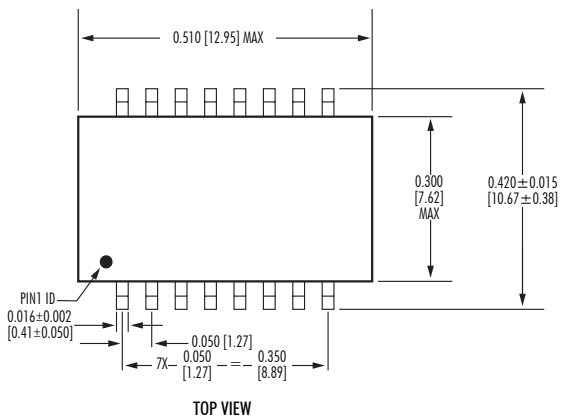
- Add suffix "NL" for RoHS compliant version; i.e. T-1485TCM becomes T-1485TCMNL. NL parts have 100% SN Lead Finish.
- For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. T-1485TCMT

### Mechanicals

### Electrical Schematics

#### T-1485TCM

Dimensions: inch [mm]  
Tolerance (unless otherwise specified): ±0.010 [0.254]



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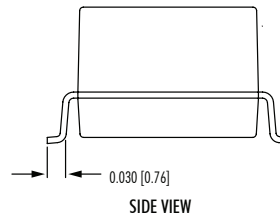
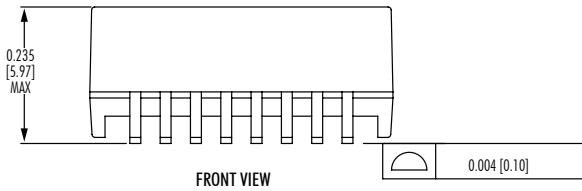
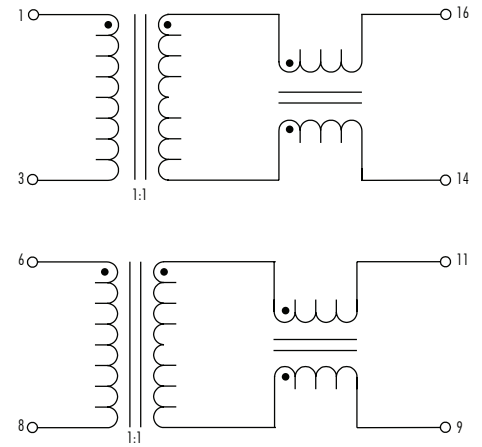
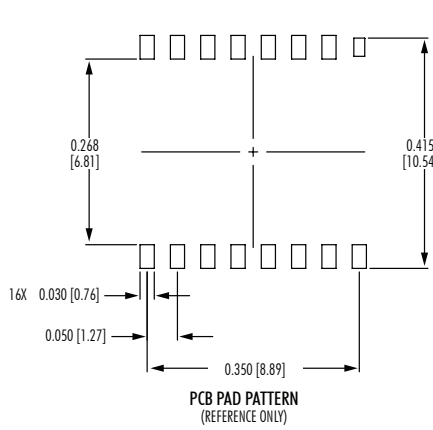
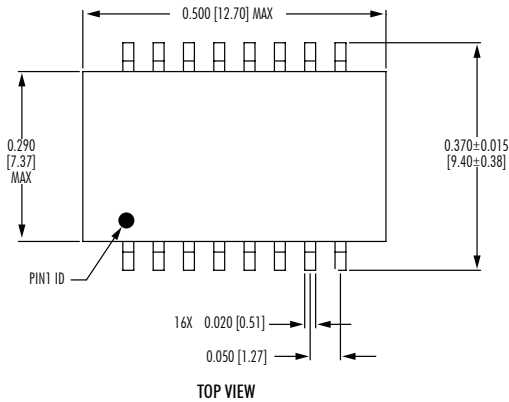
## Mechanicals

## Electrical Schematics

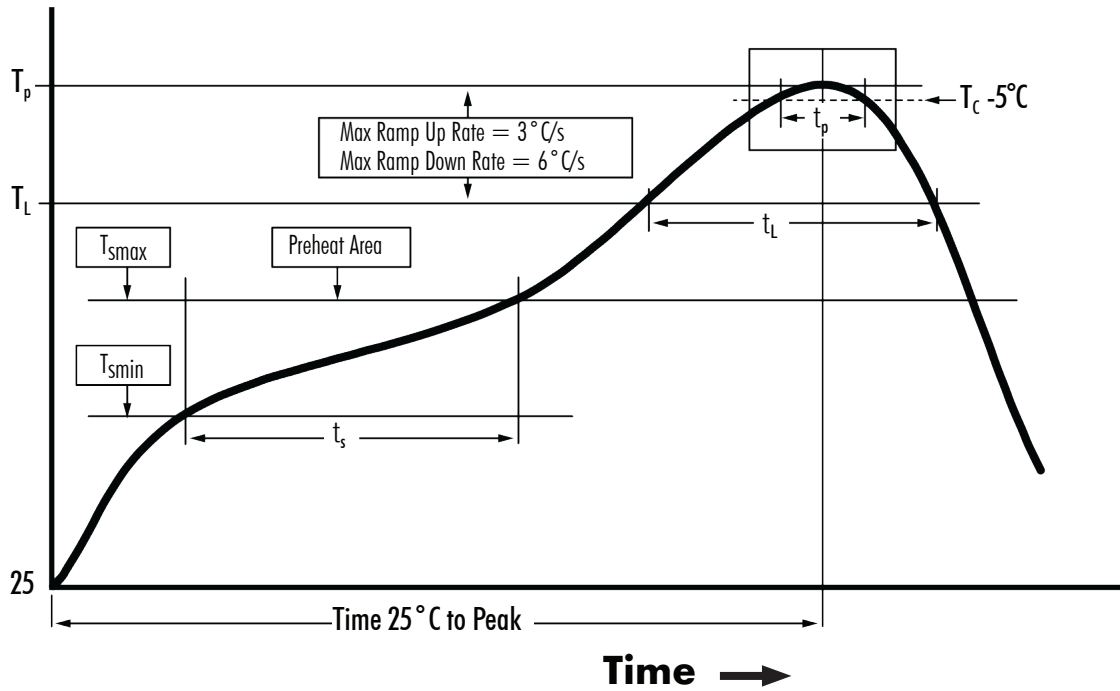
**T-3200TCM**

Dimensions: inch [mm]

Tolerance (unless otherwise specified):  $\pm 0.010$  [0.254]



## 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)
<b>Tin/Lead Profile</b>									
100	150	183	220	60 - 120	60 - 150	20	3°C/s MAX	6°C/s MAX	360
<b>Non-Lead Profile</b>									
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.

