

# 10/100BASE-TX TRANSFORMER MODULES

Ruggedized



- Low Profile packages .82" max for PC card and cardbus applications
- 350uH OCL with 8mA DC
- Operating temperature: -55°C to +125°C
- Storage temperature: -55°C to +125°C
- Terminal Finish: Pure Tin
- Moisture Sensitivity Level: 3

## Electrical Specifications @ 25°C

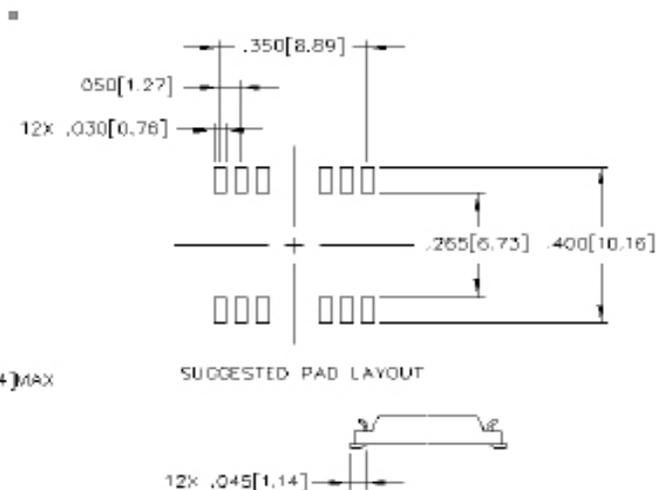
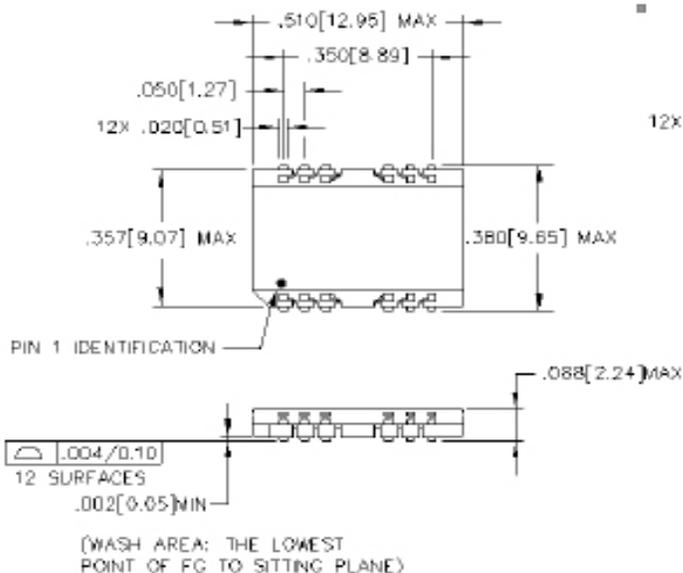
Part Number	Insertion Loss (dB MIN)	Return Loss (dB MAX)				Common to Common Mode Rejection (dB MAX)			Crosstalk (dB MAX)			Dielectric Withstanding Voltage@60s MIN (Vrms)
		100kHz-100MHz	30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	32 MHz	62 MHz	
100B-1035	-1.2	-16	-14	-10	-8	-35	-30	-25	-45	-40	-35	1500

Note: 1) Add Suffix "NL" for RoHS Compliant part i.e., Part 100B-1035 Becomes 100B-1035NL.  
 2) For Tape and Reel packaging, add "T" suffix at the end of the part number: i.e. 100B-1035T

### Mechanical

### Schematic

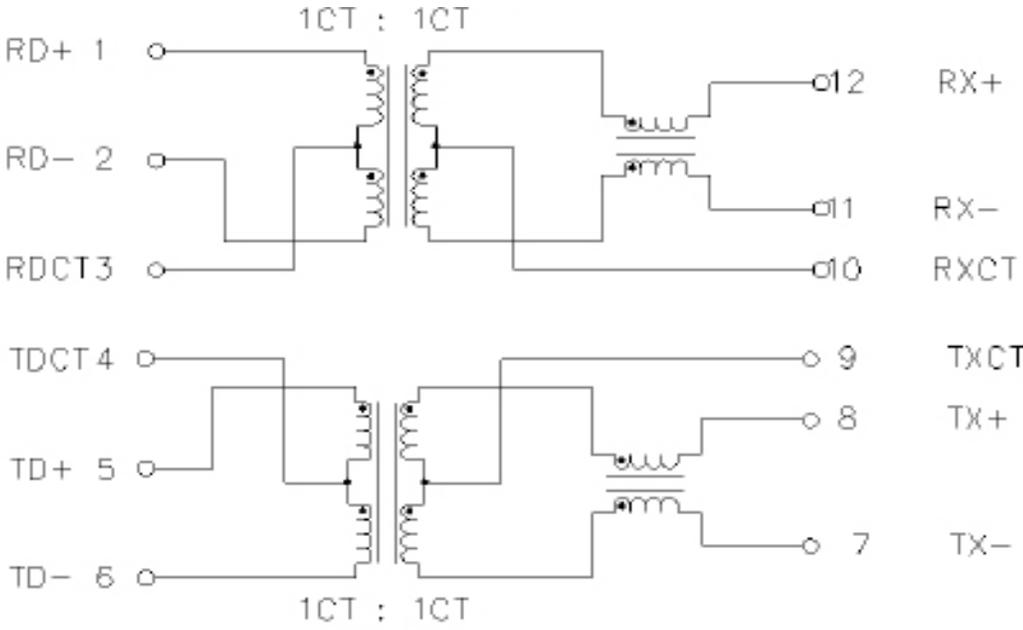
#### 100B-1035



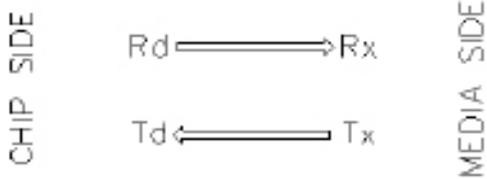
WEIGHT.....0.80 GRAMS MAX  
 TAPE & REEL.....2000PCS/REEL  
 TUBE.....40PCS/TUBE  
 DIMENSIONS: INCHES[MM]  
 UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE ±0.01[0.25]

Schematic

100B-1035

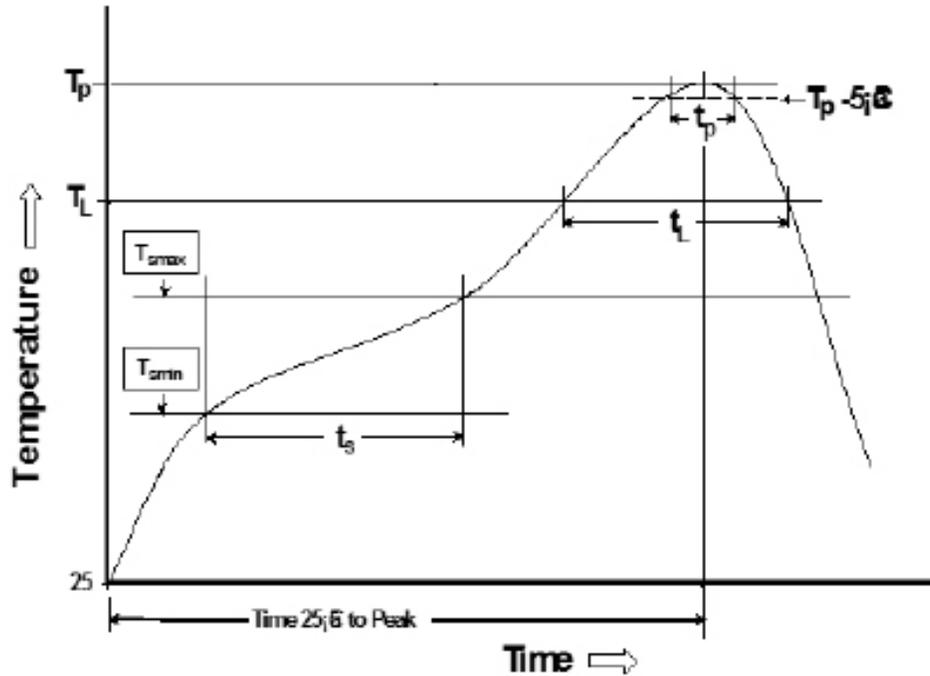


LEGEND



ALL CHANNELS ARE  
IN PHASE BETWEEN  
INPUT TO OUTPUT.

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	60-120	60-150	20	3°C/s MAX	6°C/s MAX	360

Notes:

1. All temperatures measured on the package leads.
2. Maximum times of reflow cycle: 2.

For More Information

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