

# 10/100BASE-T SINGLE PORT TRANSFORMER MODULE

Industrial Grade

- Compliant with IEEE 802.3 standards
- Low profile packages: 0.088" MAX for PC card and card bus applications
- 350µH OCL with 8mA D.C.bias at 100KHz, 100mV
- Open Construction Assembly
- Operating Temperature: -40°C to +105°C
- Dielectric Withstanding Voltage (DWW): 1500 Vrms, 6 Seconds
- Lead Finish: Sn100
- Moisture Sensitivity Level: 1

## Electrical Specifications @ 25°C

Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN)			Crosstalk (dB MIN)				CM to CM Rejection Ratio (dB MIN)		
	0.10 - 100 MHz	5 - 30 MHz	60 MHz	80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
R1035ANL	-1.2	-16	-14	-10	-48	-45	-40	-35	-35	-30	-25

### NOTES:

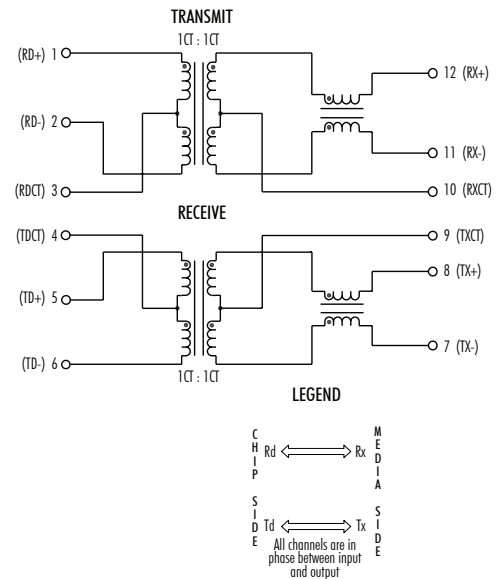
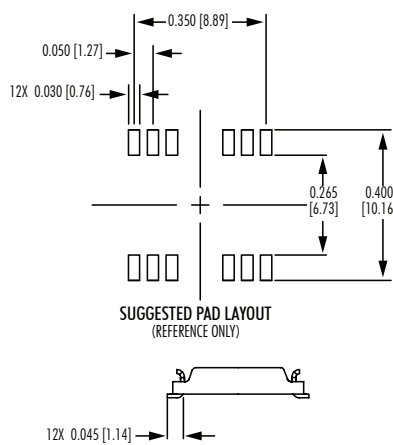
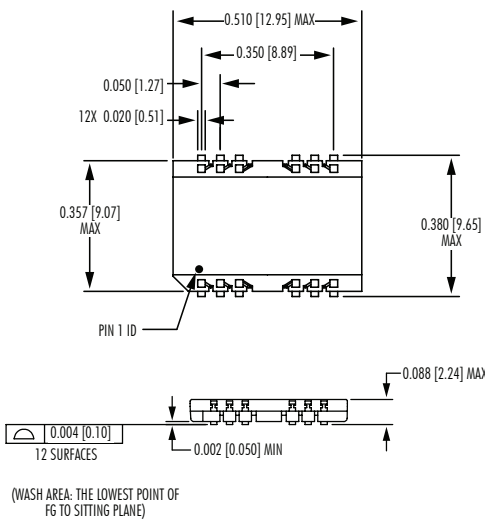
- For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. R1035ANLT

### Mechanicals

### Electrical Schematics

R1035ANL

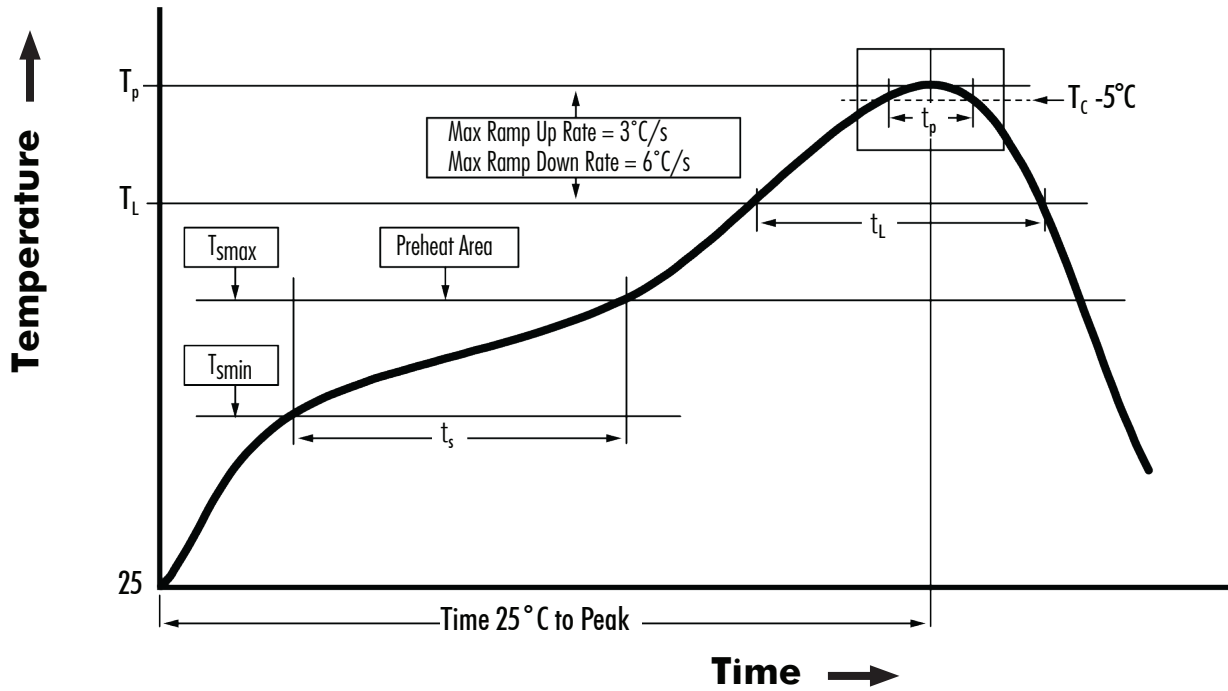
Dimensions: inch [mm]  
Tolerance (unless otherwise specified): ±0.010 [0.25]



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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)	$t_s$ (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)
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.



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