

# T1/E1/CEPT/ISDN-PRI SMT TRANSFORMERS

Ruggedized



- ⊗ Pick and place compatible
- ⊗ Isolation Voltage: 1500 V<sub>RMS</sub> Minimum Extended
- ⊗ Operating Temperature: -55°C to +125°C
- ⊗ Lead Finish: Sn63/Pb37
- ⊗ Epoxy Encapsulated
- ⊗ Moisture Sensitivity Level: 3

## Electrical Specifications @ 25°C

Part Number	Turns Ratio Pri:Sec (±2%)	OCL Pri @ 25°C MIN (mH)	C <sub>ww</sub> MAX (pF)	DCR Pri MAX (Ω)	Primary Pins
PL1374	1CT:1CT	1.2	35	0.80	1-3

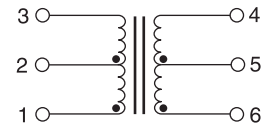
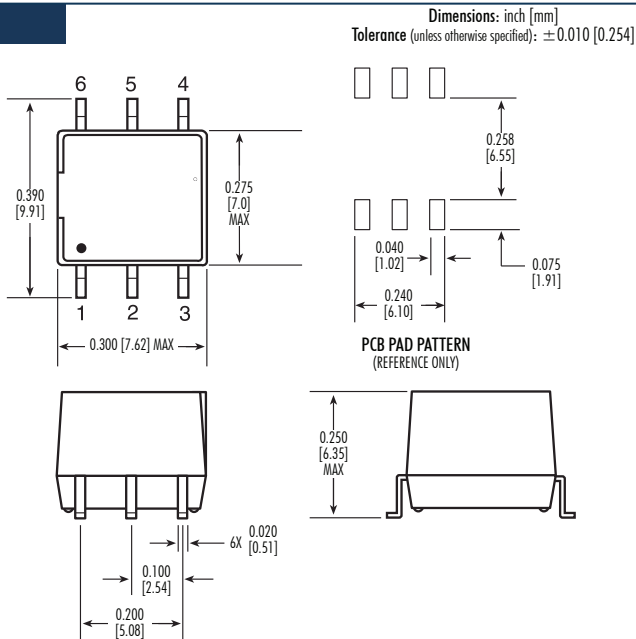
### NOTES:

1. Add suffix "NL" for RoHS compliant version; i.e. PL1374 becomes **PL1374NL**.
2. For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. **PL1374T**.

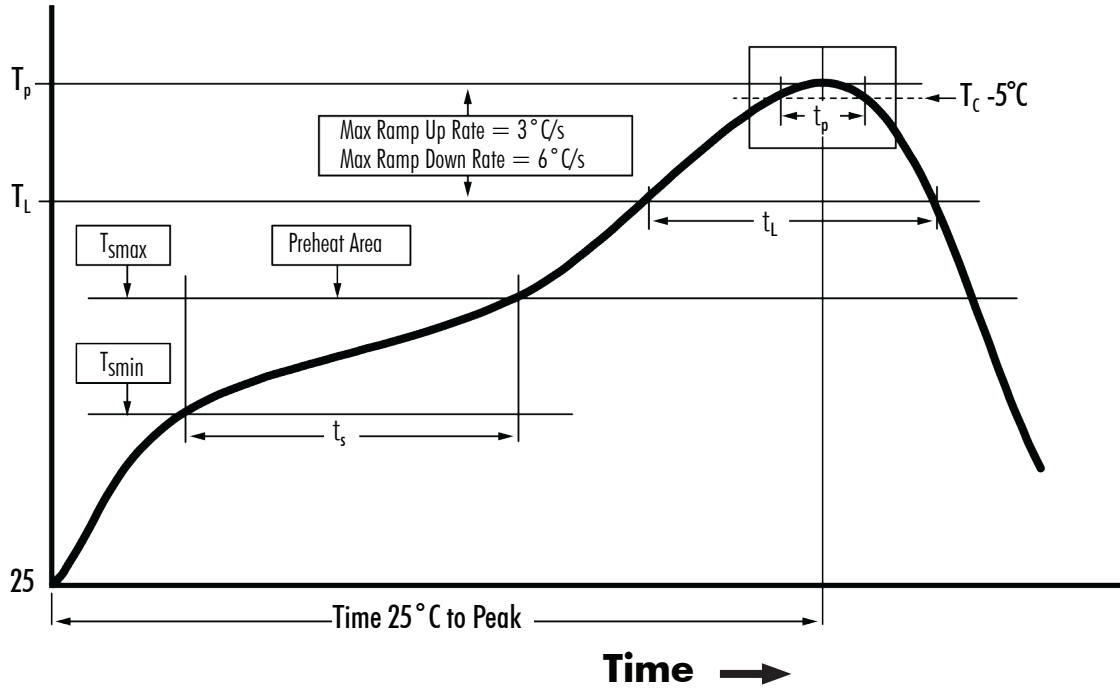
### Mechanicals

### Electrical Schematics

PL1374



**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 number of reflow cycles not to exceed 2.

