

# SMT FLYBACK TRANSFORMER

Ruggedized



- ⊗ Operating Temperature: -55°C to +130°C
- ⊗ Storage Temperature: -55°C to +130°C
- ⊗ Lead Finish: Sn63/Pb37
- ⊗ Moisture Sensitivity Level: 3

Electrical Specifications @ 25°C							
Part Number	Turns Ratio 100kHz, 25mVrms (±10%)	Inductance @ 0A <sub>DC</sub> 100kHz 25mVrms (μH +15%/-12%)	Inductance @ 1.5A <sub>DC</sub> 100kHz 25mVrms (μH MIN)	Leakage Inductance 100kHz 25mVrms (nH MAX)	DCR (Ω MAX)		Dielectric Withstanding Voltage @5S MIN (Vrms)
	(2-3):(4-1)	(2-3)	(2-3)	(2-3) with (4-1) shorted	(2-3)	(4-1)	
PL3290	1:12	21.14	18	750	0.16	18	500

## NOTES:

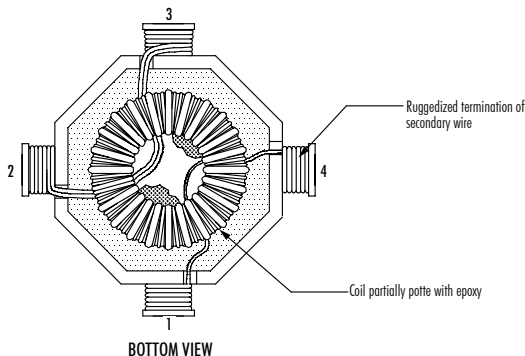
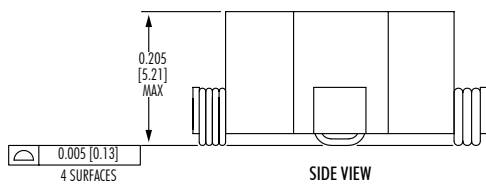
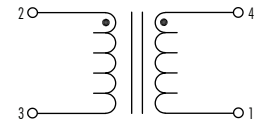
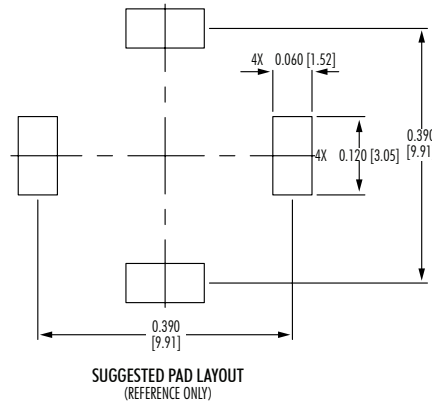
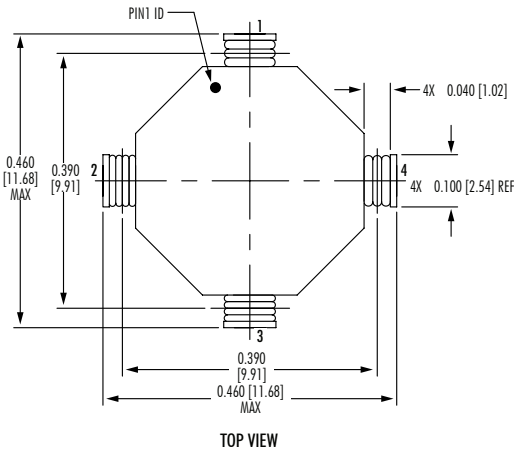
1. Add suffix "NL" for RoHS compliant version; i.e. PL3290 becomes PL3290NL. NL parts have 100% SN Lead Finish (MSL:3)
2. For Tape & Reel packaging, add "T" suffix at the end of the part number; i.e. PL3290NLT

## Mechanics

## Electrical Schematics

PL3290

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



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M404.A (19JUL23)

## 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.
3. Reflow cycle applies only to surface mount parts.

