SMT FLYBACK TRANSFORMER

Ruggedized

iNRCORE FAMILY OF BRANDS

- Operating Frequency: 100KHz to 300KHz
- Operating & Storage Temperature: -55°C to +125°C
- Lead Finish: Sn100
- Moisture Sensitivity Level: 1

Electrical Specifications @ 25°C

Part Number	Turns Ratio 100KHz, 0.10Vrms (±3%) (7-9) (2-4)	Inductance @ $0A_{DC}$ 100KHz, 0.10Vrms (µH ±10%) (2-4)	ET^2 (V*µsec) MAX (2-4)	Leakage Inductance 100kHz, 0.10Vrms (µH MAX) (2-4) with (7-9) shorted	DCR (Ω MAX) (2-4)	DCR (Ω MAX) (7-9)	Dielectric Withstanding Voltage @2S, 1mA (Vrms) (2-4) to (7-9)
PL5066NL	10	35	96	8	1.5	45.5	2000

NOTES:

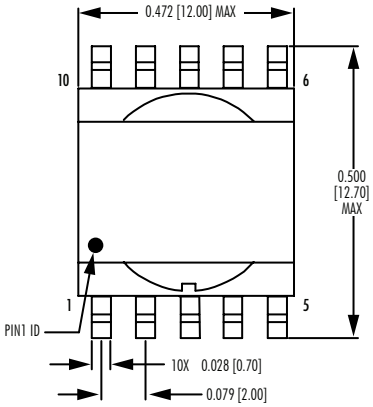
1. For Tape & Reel packaging, add "T" suffix at the end of the part number: i.e. **PL5066NLT**.
2. For design information only, the Maximum volt-µsec limits the peak flux density to 2800 Gauss when used in unipolar application.

Mechanicals

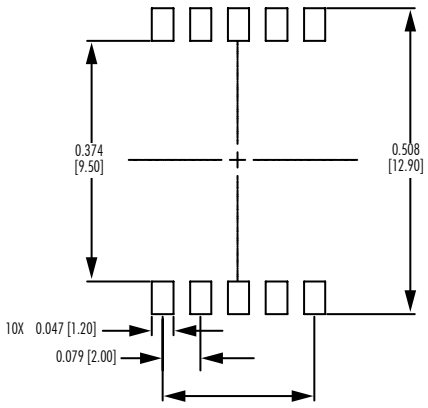
Electrical Schematics

PL5066NL

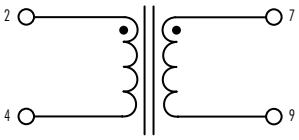
Dimensions: inch [mm]
Tolerance (unless otherwise specified): ±0.010 [0.25]

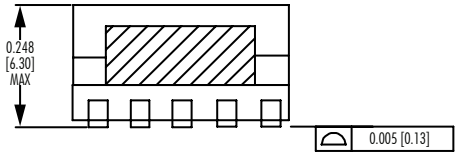


TOP VIEW

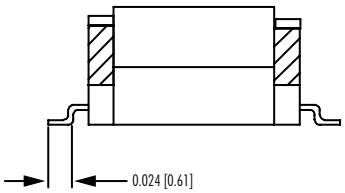


SUGGESTED PAD LAYOUT
(REFERENCE ONLY)



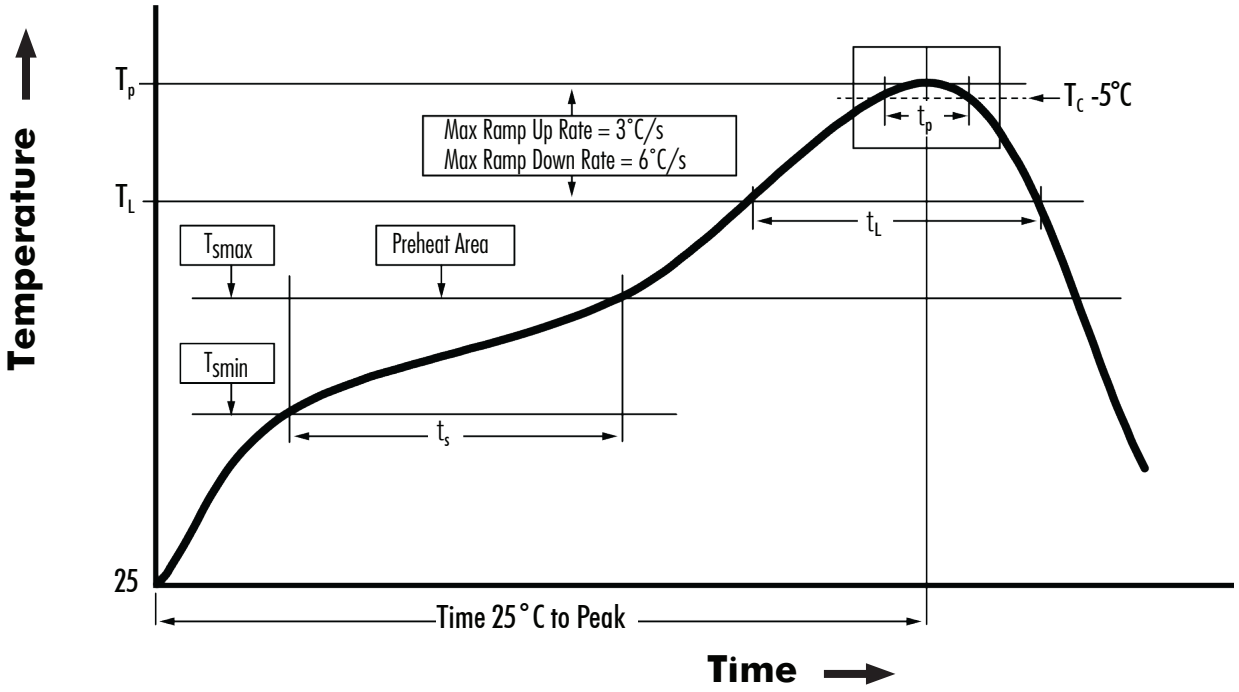


SIDE VIEW



SIDE VIEW

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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