

- Maximum Reflow Temperature: 225°C (245°C for RoHS compliant)
- Moisture Sensitivity Level: 1
- Can be made available in a RoHS configuration by special request (Sn100 lead finish)

Electrical Specifications @ 25 °C – Operating Temperature – 40 °C to +130 °C

Part5,6 Number	Turns Ratio	Current Rating (A)	Secondary Inductance (mH MIN)	DCR Primary (1,3-2,4) (mΩ MAX)	DCR Secondary (5-6) (mΩ MAX)	Hipot
PL1961	1:1:200	15.00	59.200	2.30	4200.0	500

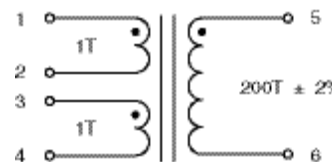
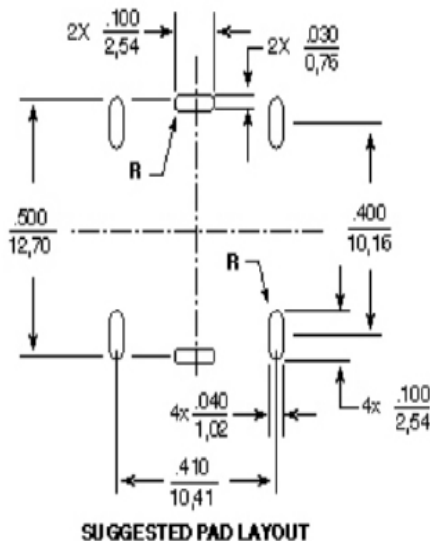
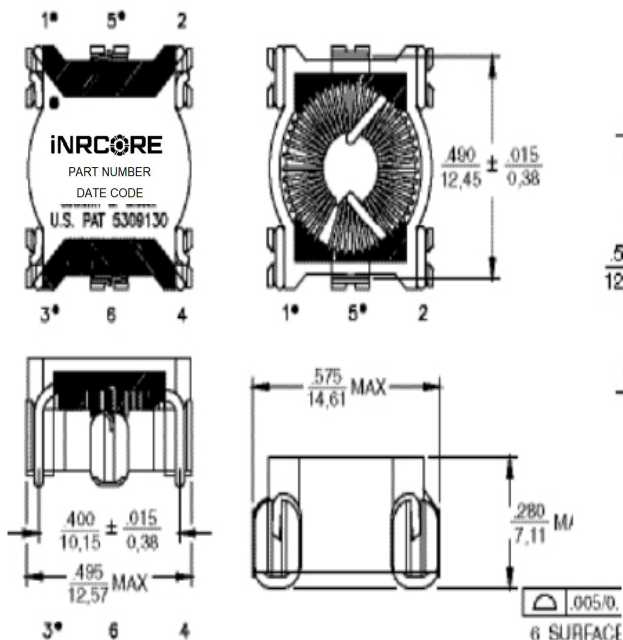
NOTES:

- The temperature of the component (ambient temperature plus temperature rise) must be within the specified operating temperature range.
- The maximum current rating is based upon temperature rise of the component and represents the dc current which will cause a typical temperature rise of 40°C with no air flow when both one turn wind-ings connected in parallel.
- To calculate the value of the terminating resistor (Rt) use the following formula: $R_t (W) = VREF * N / (I_{peak_primary})$
- The peak flux density of the device must remain below 2000 Gauss. To calculate the peak flux density for a uni-polar current use the following formula:
 $BPK = 14.29 * VREF * (Duty_Cycle_Max) * 108 / (N * Freq_kHz)$ for bi-polar current applications divide BPK as calculated above by 2.
- For RoHS compliant parts add suffix NL to the part number.
- Add T suffix to the part number for tape and reel packaging.

Mechanical

Electrical Schematic

PL1961

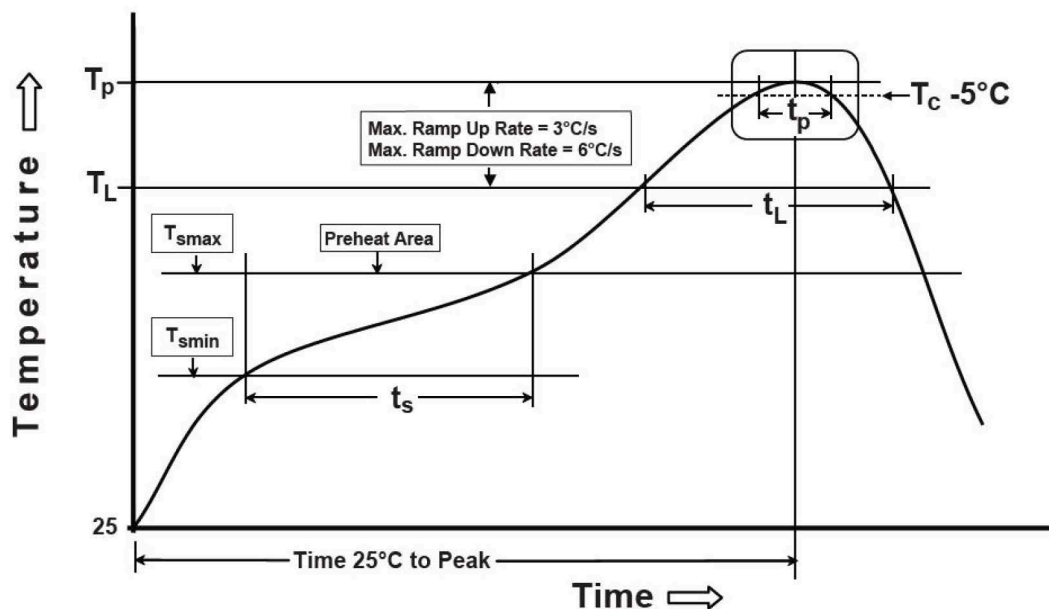


Weight 2.10 grams
Tape & Reel 300/reel
Tube 40/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$



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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