GATE DRIVE TRANSFORMER
Ruggedized

- 1500Vrms Continuous isolation between windings
- Moisture Sensitivity Level: 1
- Lead Finish: Pure Tin.
- 4000Vrms gate to drive isolation

Electrical Specifications @ 25 °C – Operating Temperature – 55°C to +130 °C

Part Number	Turns Ratio 100kHz 1Vrms (±2%)		ET (V * µsec) MAX	Inductance 100kHz ,100mVrms (mH MIN)	Leakage Inductance 100kHz,100mVrms (µH MAX)	Parasitic Capacitance 100kHz 100mVrms (pF MAX)	DC Resistance (Ω MAX)			Dielectric Withstand Voltage 6S MIN (Vrms)	
	(1-4):(8-7)	(1-4):(6-5)	(1-4)	(1-4)	(1-4) with (5,6,7,8) shorted	(1-4) to (5,6,7,8)	(1-4)	(8-7)	(6-5)	(1,2,4)to (5,6,7,8)	(5,6)to (7,8)
PL3602NL	2.0	2.0	375	5.40	8.0	60	2.2	1.6	1.6	4000	1500

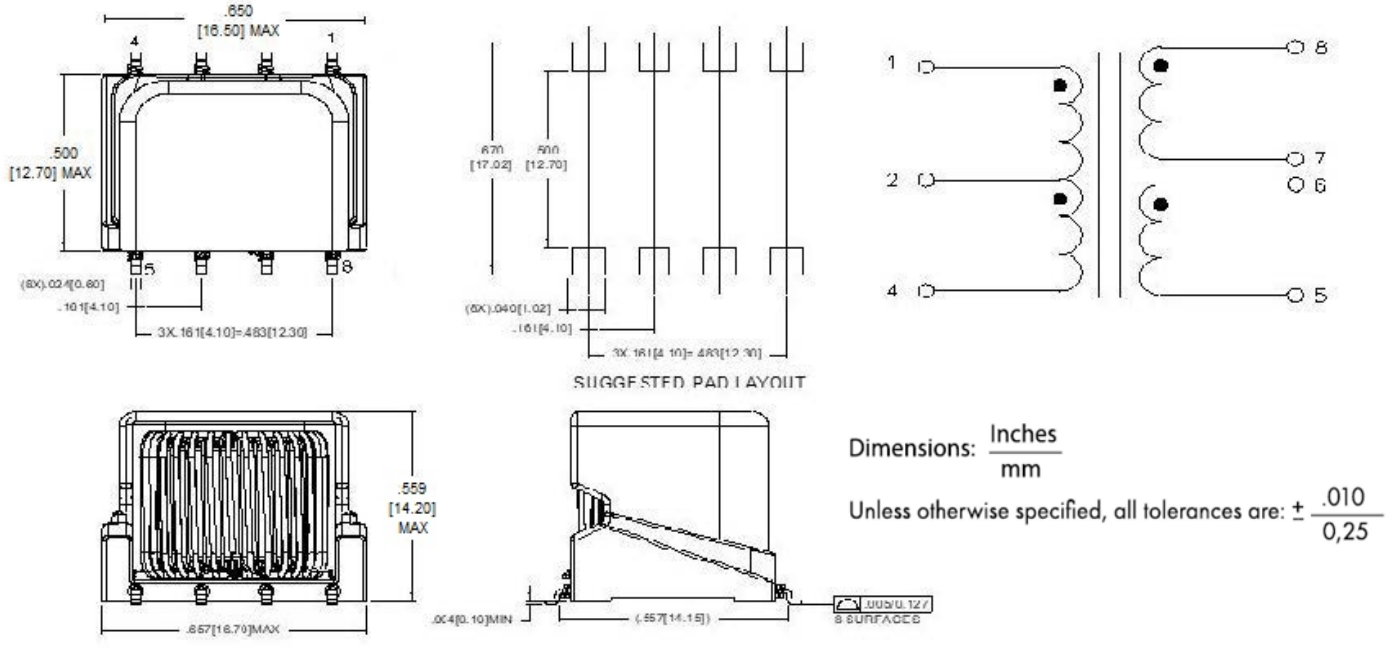
Notes: 1. The Maximum volt-µsec to limit the core loss and temperature at 100 kHz base on a bipolar flux swing of 2100Ga peak.

2. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. **PL3602NLT**) .

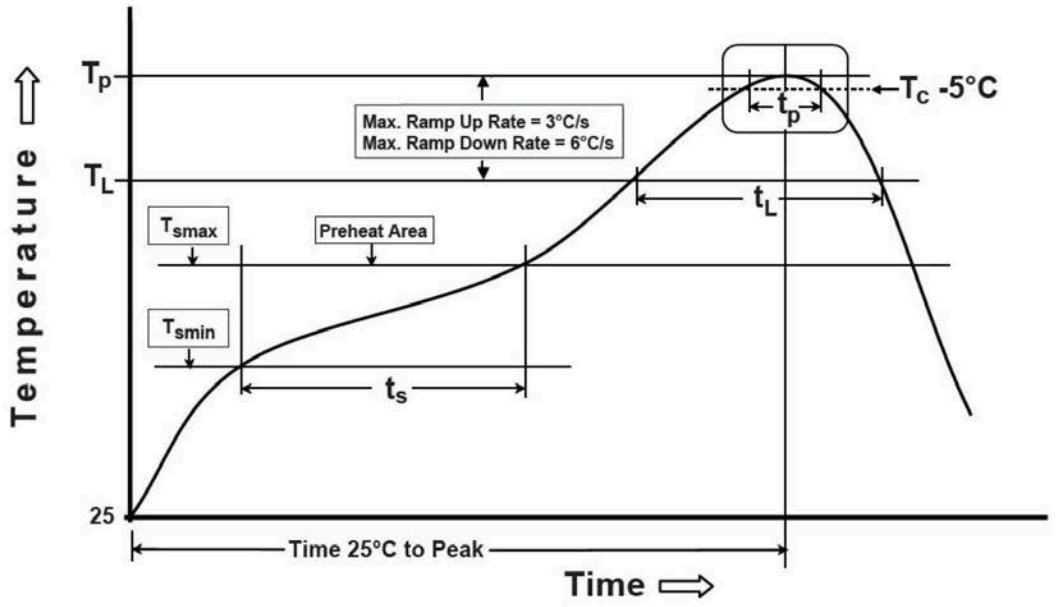
Mechanical

Electrical Schematic

PL3602NL



Non-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)
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 times of reflow cycle: 2.

For More Information

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