

PLANAR TRANSFORMER



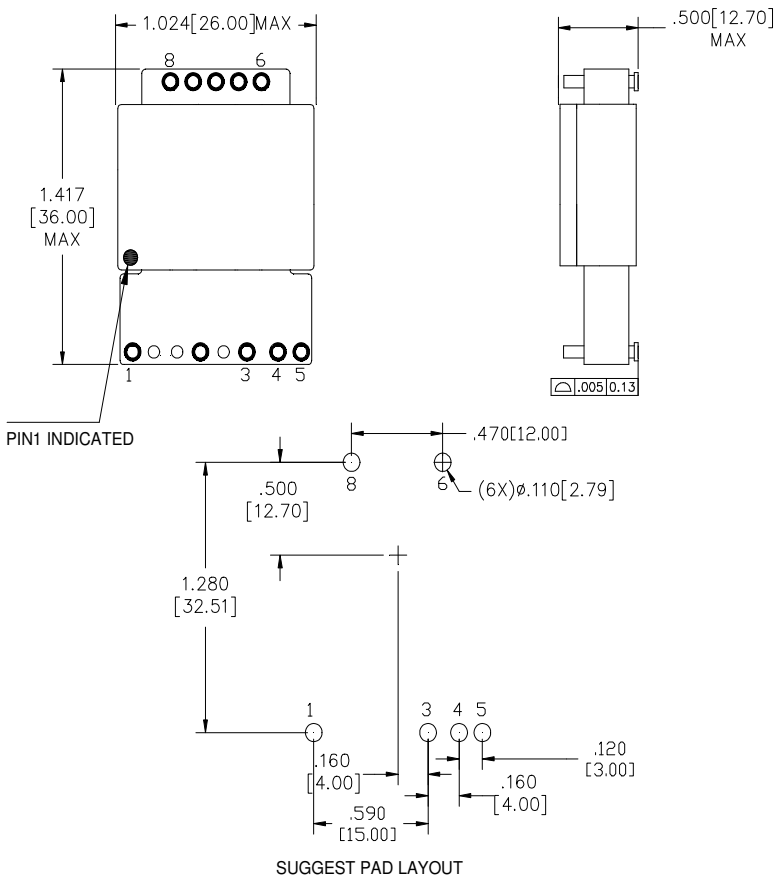
- Ⓡ Operating temperature: -55°C to +130°C
- Ⓡ Storage temperature: -55°C to +155°C
- Ⓡ Frequency range: 100kHz to 300kHz
- Ⓡ Topology: LLC
- Ⓡ Fit EN-50155 application
- Ⓡ Lead finish: Pure tin
- Ⓡ Moisture Sensitivity Level: 1

Electrical Specifications @ 25°C

Part Number	Turns Ratio 100kHz 100mVrms (±2%)		Inductance 100kHz 1Vrms (μH ±20%)	Leakage Inductance 100kHz 100mVrms (μH MAX)	DC Resistance (mΩ MAX)		Dielectric Withstanding Voltage @3S MIN			
	(4-5):(1-3)	(6-8):(1-3)	(1-3)	(1-3) with all other windings shorted	(1-3)	(6-8)	(4-5) to (6,8)	(1,3,4,5) to core	(6,8) to core	
PL10501NL	0.207	0.276	1020	6.5	250	25	65	3000VAC	3000VAC	500VDC

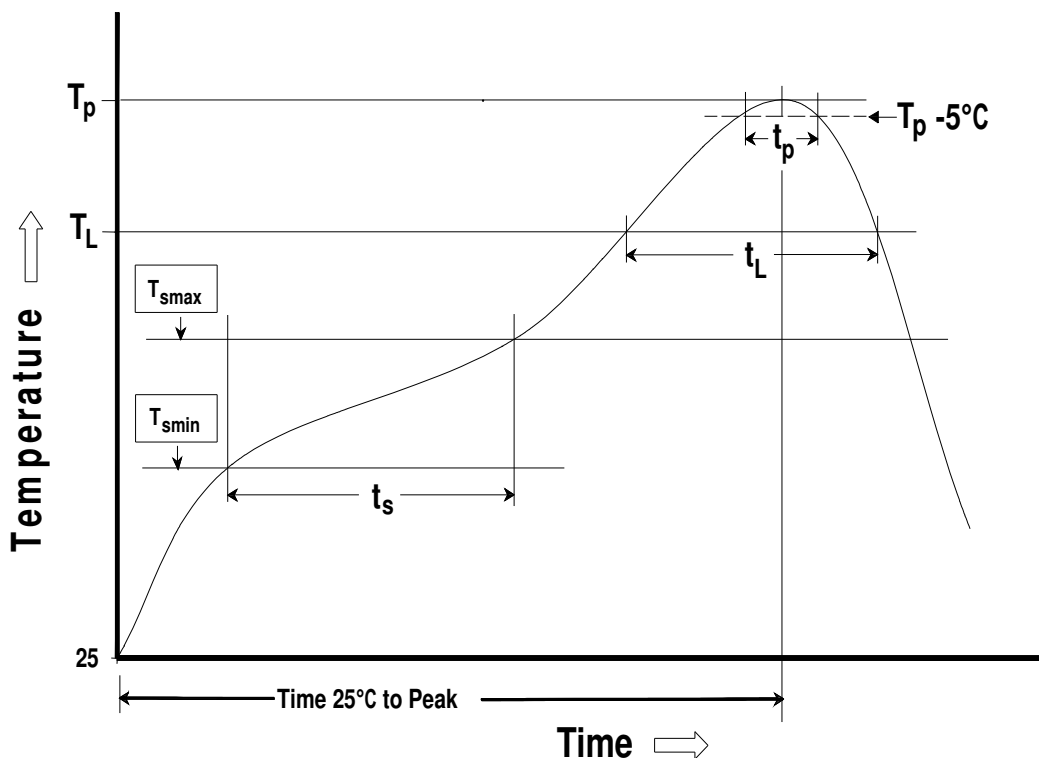
Mechanical

Schematic



Dimensions: inches[mm]
 Unless otherwise specified,
 all tolerances are ± .010[0.25]
 Weight.....35g
 Tray.....30pcs/Tray

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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