

# POWER TRANSFORMER

- Operating and Storage temperature:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Steady state input voltage range:  $23\text{V}\sim 32\text{V}$
- Lead finish: Sn-Pb
- MSL: 1

### Electrical Specifications @ 25°C

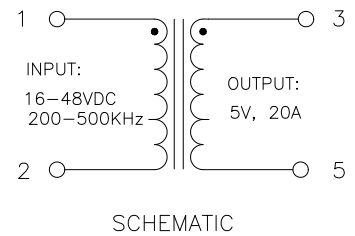
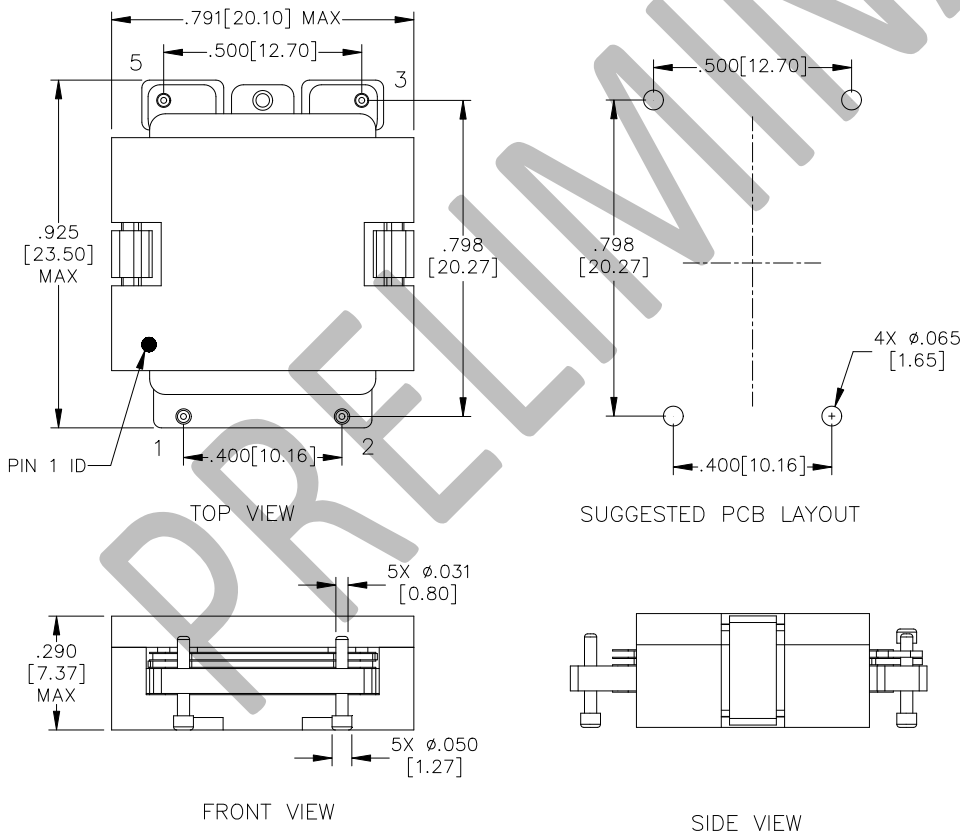
Part Number	Turns Ratio 100kHz 0.1Vrms ( $\pm 2\%$ )	Inductance 100kHz 0.1Vrms (uH nominal)	Leakage Inductance 100kHz 0.1Vrms (uH MAX)	DC Resistance ( $\Omega$ MAX)		Dielectric Withstanding Voltage 6S (VDC)
	$\frac{(1-2)}{(3-5)}$	(1-2)	(1-2) with (3-5)shorted	(1-2)	(3-5)	(1-2) to (3-5)
PL4445	2	54.6	TBD	TBD	TBD	1800

**Notes:**

Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: PL4445T)

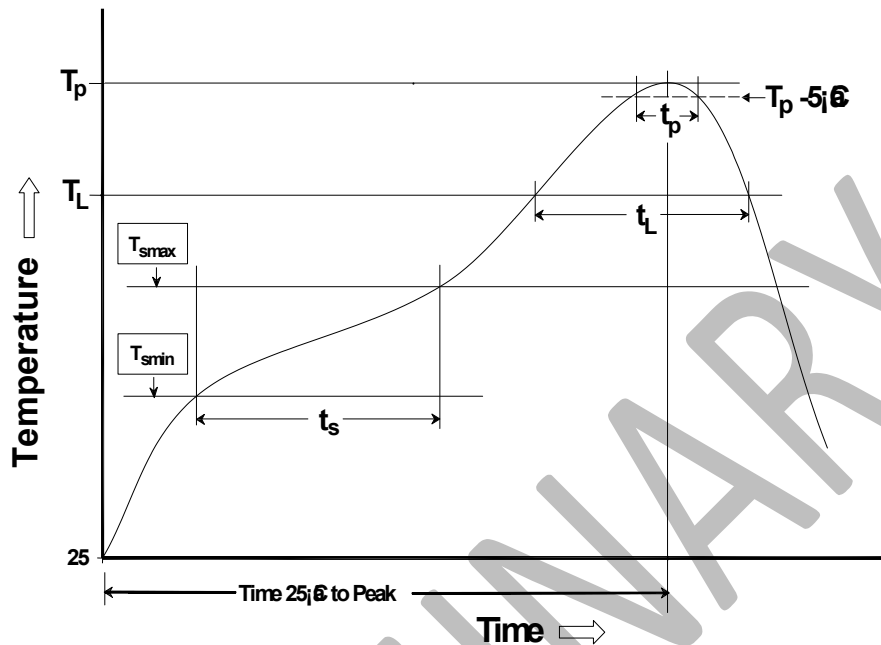
## Mechanical

## Schematic



Dimensions: inches[mm]  
 Unless otherwise specified,  
 all tolerances are  $\pm .010$ [0.25]  
 Weight.....TBD  
 Tray.....TBD

## 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	220	60-180	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.

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