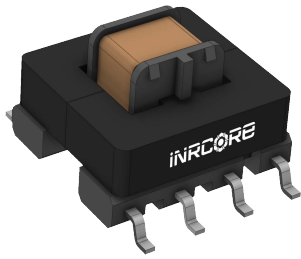


# Discontinuous High Voltage Flyback Transformer

Ruggedized



- ⊗ Frequency Range: 80 kHz to 350 kHz
- ⊗ Height: 5,9mm MAX
- ⊗ Class S Temperature Rating
- ⊗ Moisture Sensitivity Level: 1
- ⊗ Recommend for use with LT8304-1 ( $R_{FB}$  listed in "Notes")
- ⊗  $V_{IN}$  from 5V to 15V

## Electrical Specifications @ 25 °C – Operating Temperature – 55 °C to +125 °C

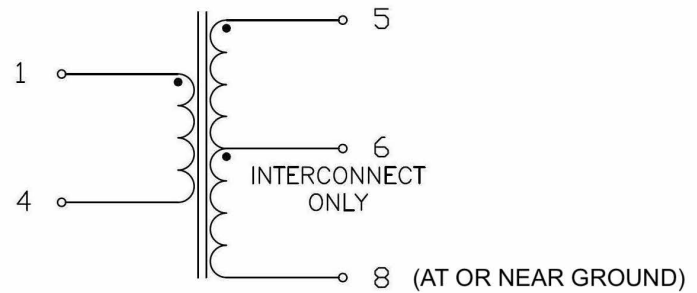
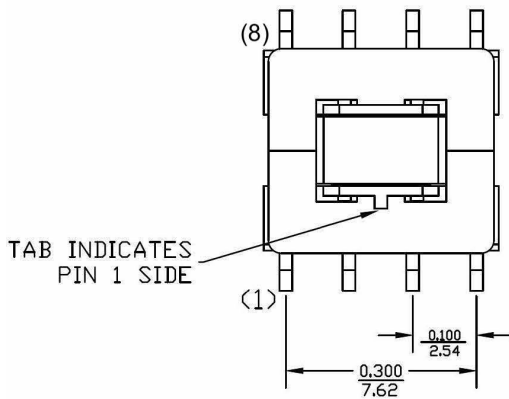
Part Number	Turns Ratio	Voltage Output ( $V_{OUT}$ )	Primary Inductance ( $\mu$ H)	Primary Inductance Leakage (nH MAX)	DCR ( $\Omega$ MAX)	
					(1-4)	(5-8)
PL4761	1:20	1400 <sup>2</sup>	8.5-9.5	650	.50	80
PL4762	1:30	1800 <sup>3</sup>	8.5-9.5	750	.50	115
PL4763	1:40	2000 <sup>4</sup>	8.5-9.5	850	.50	150

- Notes:
1. ET max 20V- $\mu$ sec
  2.  $R_{FB}$  = 680K
  3.  $R_{FB}$  = 600K
  4.  $R_{FB}$  = 500K
  5. Terminal 8 must always be at or near ground potential

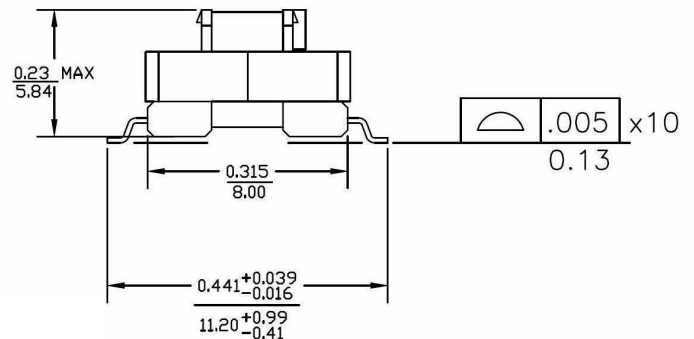
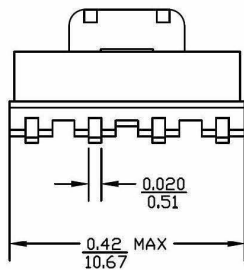
### Mechanical

### Electrical Schematic

PL47XX



SCHEMATIC



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are:  $\pm \frac{.010}{.025}$

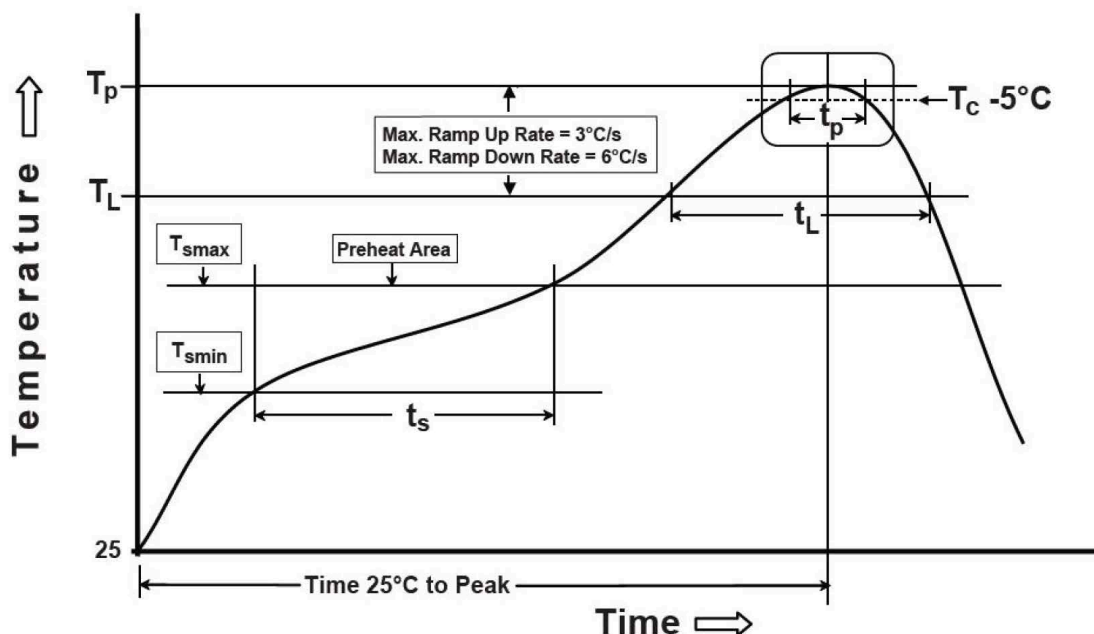


# Discontinuous High Voltage Flyback Transformer

Ruggedized



## 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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