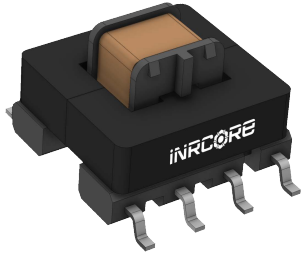


Discontinuous High Voltage Flyback Transformer

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

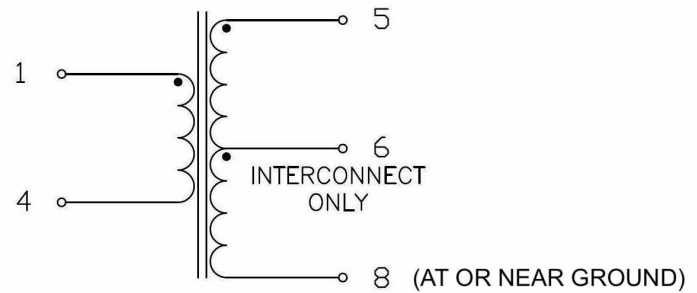
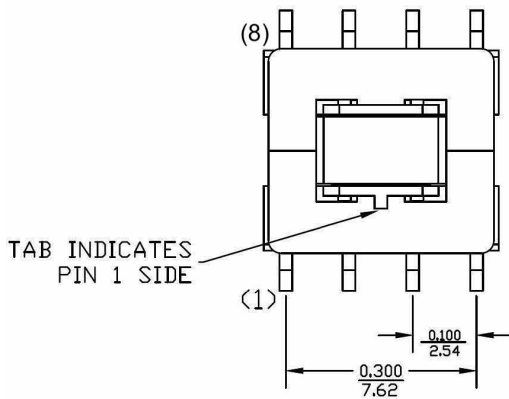
Part Number	Turns Ratio	Voltage Output (V_{OUT})	Primary Inductance (μH)	Primary Inductance Leakage (nH MAX)	DCR (Ω MAX)	
					(1-4)	(5-8)
PL4761	1:20	1400 ²	8.5-9.5	650	.50	80
PL4762	1:30	1800 ³	8.5-9.5	750	.50	115
PL4763	1:40	2000 ⁴	8.5-9.5	850	.50	150

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

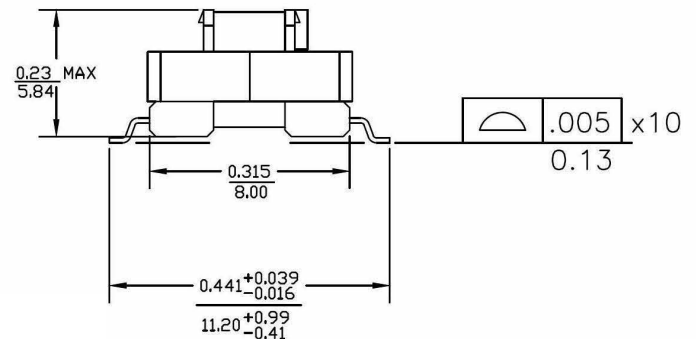
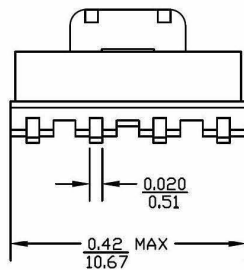
Mechanical

Electrical Schematic

PL47XX



SCHEMATIC



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

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

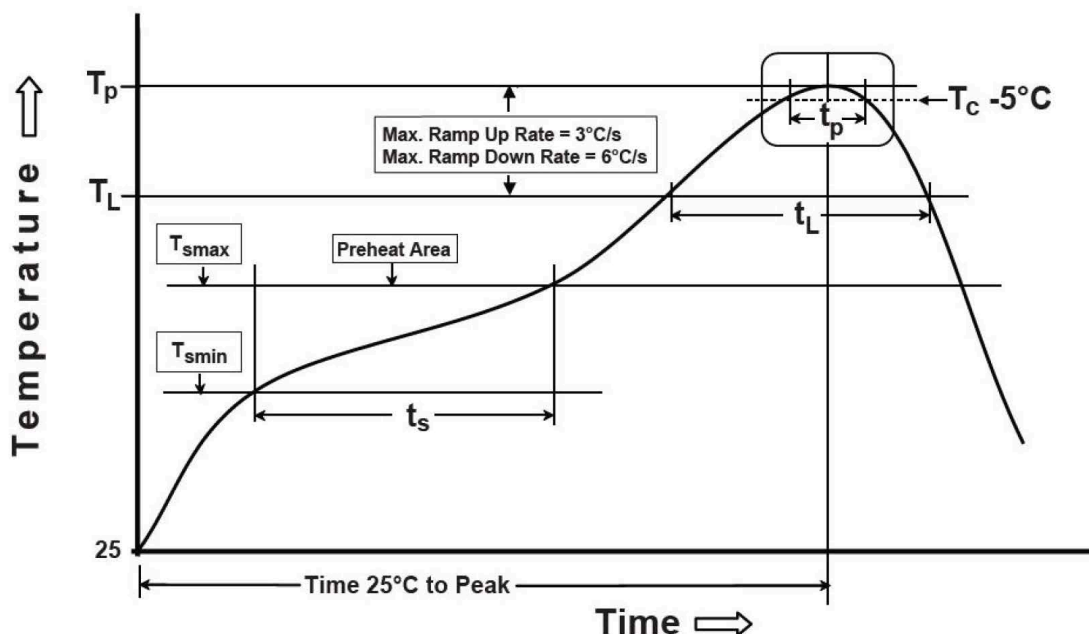


Discontinuous High Voltage Flyback Transformer

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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