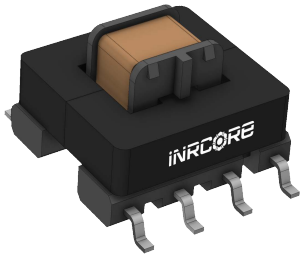
Discontinuous High Voltage Flyback Transformer

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

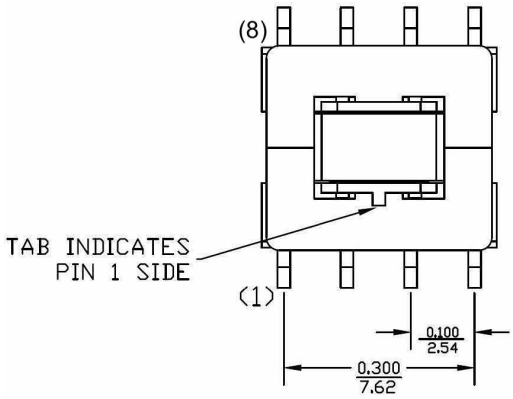
Electrical Specifications @ 25 °C – Operating Temperature – 55°C to +125 °C

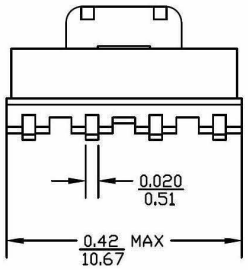
Part Number	Turns Ratio	Voltage Output (V_{OUT})	Primary Inductance (uH)	Primary Inductance Leakage (nH MAX)	DCR (Ω MAX)	
					(1-4)	(5-8)
PL4761	1:20	1400 [2]	8.5-9.5	650	.50	80
PL4762	1:30	1800 [3]	8.5-9.5	750	.50	115
PL4763	1:40	2000 [4]	8.5-9.5	850	.50	150

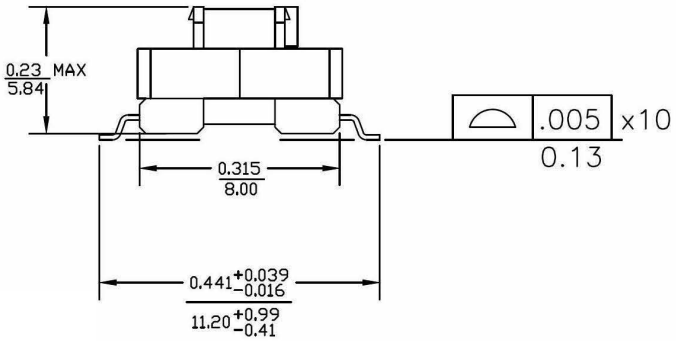
Notes:
1. ET max 20V-µsec
2. R_{FB} = 680K
3. R_{FB} = 600K
4. R_{FB} = 500K
5. Terminal 8 must always be at or near ground potential

Mechanical

PL47XX



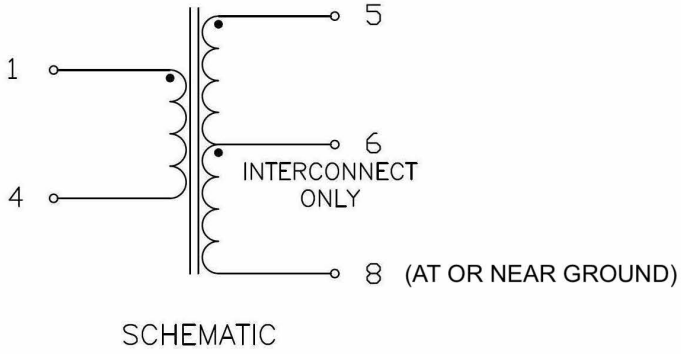




Dimensions: Inches / mm

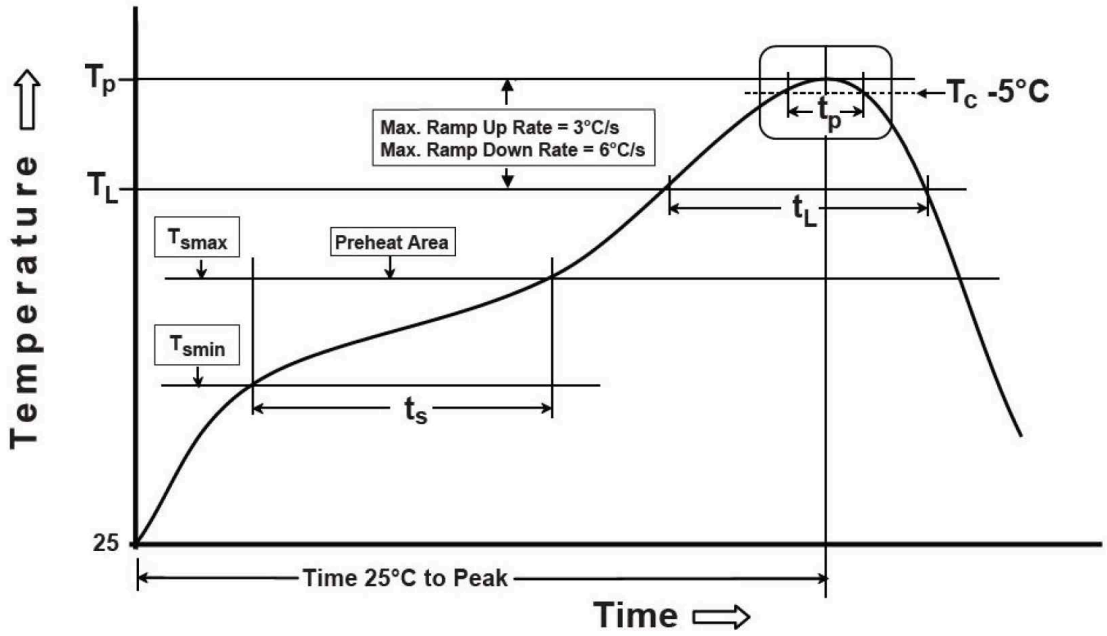
Unless otherwise specified, all tolerances are: ± .010 / 0,25

Electrical Schematic



SCHEMATIC

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

iNRCORE,LLC
311 Sinclair Road Bristol,
PA 19007-6812 U.S.A
Tel: + 1.215.781.6400
Fax: +1.215.7816430

Global Sales Representatives and Locations:
http://www.inrcore.com