



- ### Electrical Specifications @ 25°C - Operating Temperature -40°C to +130°C

Part ⁵ Number	Turns Ratio	Current ² Rating (A)	Secondary Inductance (mH MIN)	DCR (mΩ MAX)		Hipot (V _{RMS})
				Primary (8-7)	Secondary (1-3)	
PL2035	1:50	20	0.5	0.75	1500	500

1. The temperature of component (ambient temperature plus temperature rise) must be within the specified operating temperature range.
2. The maximum current rating is based upon temperature rise of the component and represents the DC current which will cause a typical temperature rise of 40°C with no airflow when both one turn windings connected in parallel.
3. To calculate value of terminating resistor (Rt) use the following formula:

$$RT (\Omega) = V_{REF} * N / (I_{peak_primary})$$
4. The peak flux density of the device must remain below 2000 Gauss. To calculate the peak flux density for uni-polar current use following formula:

5. Optional Tape & Reel packaging can be ordered by adding a “T” suffix to the part number (i.e. PL2035 becomes PL2035T). Pulse complies to industry standard tape and reel specification EIA481.

Schematic

2035

RECOMMENDED PAD LAYOUT

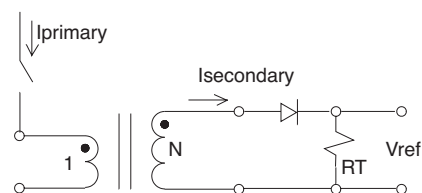
Top View Dimensions:
 Pin 1 location: .050 (1,27)
 Pin 2 location: .050 (1,27)
 Pin 3 location: .120 (3,05)
 Pin 4 location: .106 (2,69)
 Pin 5 location: .100 (2,54)
 Pin 6 location: .060 (1,52)

Side View Dimensions:
 Total height: .190 (4,83) NOM
 Mounting pad height: .073 (1,85) NOM
 Mounting pad width: .284 (7,21) MAX

Bottom View Dimensions:
 Pin 7 location: .024 (0,61)
 Pin 8 location: .330 (8,38) MAX
 Mounting pad width: .010 (0,25)

*NOTE: for RoHS compliant part, the height is increased to:
 .200 (5,10) NOM & .215 (5,50) MAX

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$



Application Circuit

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1