Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

SMT Current Sense Transformers

- Height: 5.1mm Max*
- Footprint: 8.4mm x 7.2mm Max
- Current Rating: up to 20A
- Frequency Range: 50kHz to 1MHz
- Lead Finish: Sn90/Pb10

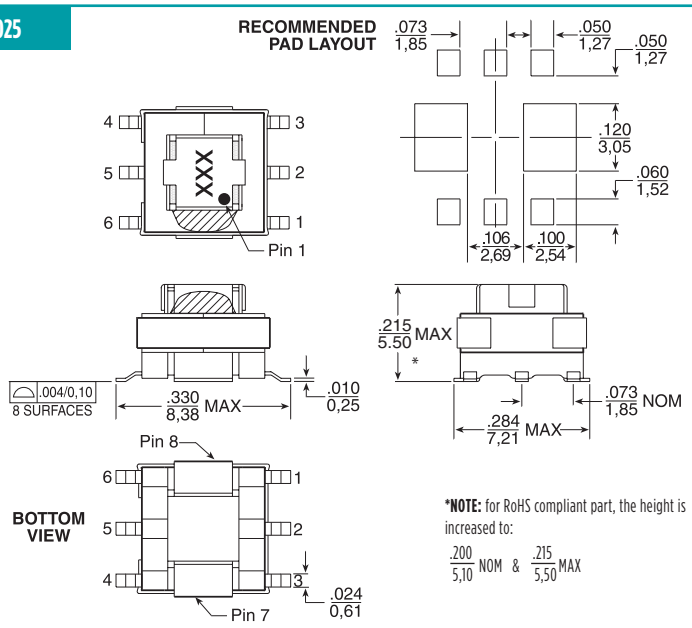
Electrical Specifications @ 25°C — Operating Temperature -40°C to +130°C						
Part [5] Number	Turns Ratio	Current [2] Rating (A)	Secondary Inductance (mH MIN)	DCR (mΩMAX) Primary (8-7)	DCR (mΩMAX) Secondary (1-3)	Hipot (VRMS)
PL2035	1:50	20	0.50	0.75	1500	500

NOTES:

1. The temperature of component (ambient temperature plus temper-ature 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 (Ω) = VREF * N / (Ipeak_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:
   Bpk = 37.59 * VREF * (Duty_Cycle_Max) * 10^8 / (N * Freq_kHz)
   * for bi-polar current applications divide Bpk (as calculated above) by 2.
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.

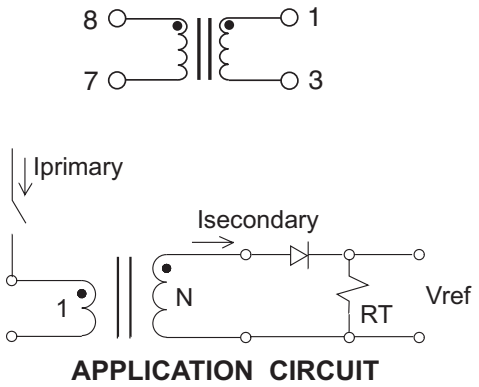
Mechanical

PL2025



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

Schematic



APPLICATION CIRCUIT

Weight ..... 0.34 grams
Tray.....120/tray
Tape & Reel..... 900/reel
Coplanarity..... 0.004 inches

Dimensions: Inches / mm

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

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