



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!



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- ➊ Maximum Reflow Temperature: 235°C (245°C for RoHS compliant)
- ➋ Storage Temperature:-55°C to +130°C
- ➌ Moisture Sensitivity Level(MSL):1
- ➍ Can be made available in a RoHS configuration by special request (Sn100 lead finish)

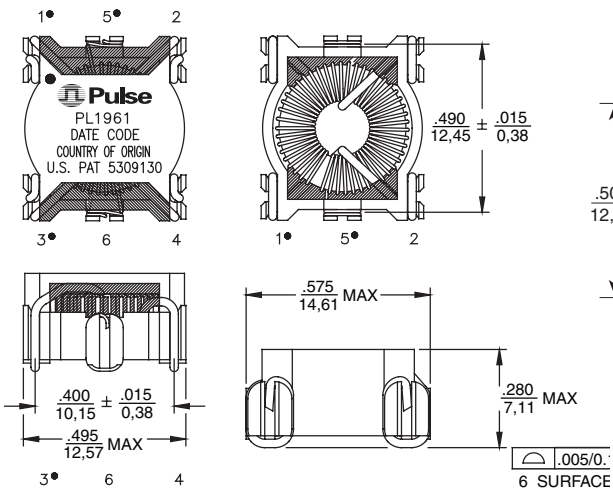
Electrical Specifications @ 25°C — Operating Temperature -40°C to +130°C

Part ^{5,6} Number	Turns Ratio	Current Rating (A)	Secondary Inductance (mH MIN)	DCR Primary (1,3-2,4) (mΩ MAX)	DCR Secondary (5-6) (mΩ MAX)	Hipot
PL1961	1:1:200	15.00	59.200	2.30	4200.0	500

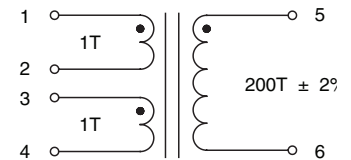
NOTES:

1. The temperature of the 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 air flow when both one turn windings connected in parallel.
3. To calculate the value of the terminating resistor (Rt) use the following formula: $R_t (\Omega) = V_{REF} * N / (I_{peak_primary})$
4. The peak flux density of the device must remain below 2000 Gauss. To calculate the peak flux density for a uni-polar current use the following formula:
 $B_{PK} = 14.29 * V_{REF} * (Duty_Cycle_Max) * 10^8 / (N * Freq_kHz)$
 * for bi-polar current applications divide B_{PK} as calculated above by 2.
5. For RoHS compliant parts add suffix NL to the part number.
6. Add T suffix to the part number for tape and reel packaging.

Mechanical



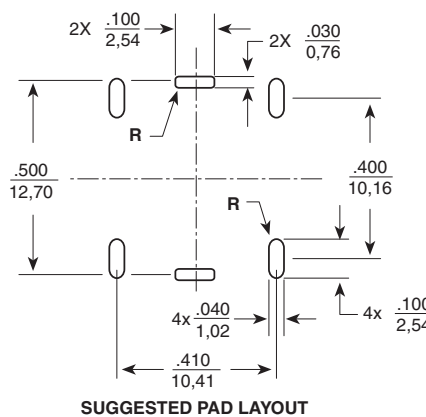
Schematic



Weight 2.10 grams
 Tape & Reel 300/reel
 Tube 40/tube

Dimensions: Inches _____
 mm _____
 Unless otherwise specified,
 all tolerances are ± .010 _____
 0,25

SUGGESTED PAD LAYOUT



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