



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

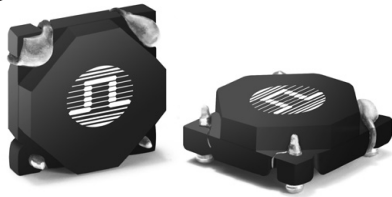
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SMT CURRENT SENSE TRANSFORMERS

PA0368NL Series



- Height:** 3.3mm Max
- Footprint:** 8.4mm x 8.4mm Max
- Current Rating:** up to 4A
- Frequency Range:** 50kHz to 1MHz

Electrical Specifications @ 25°C — Operating Temperature -40°C to 130°C⁶

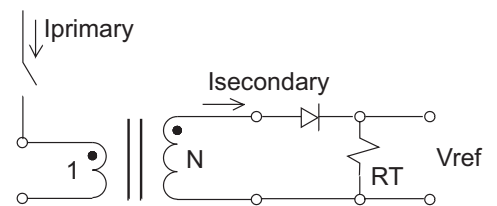
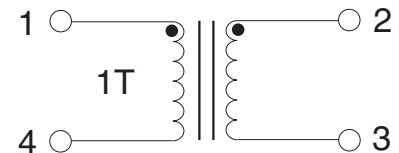
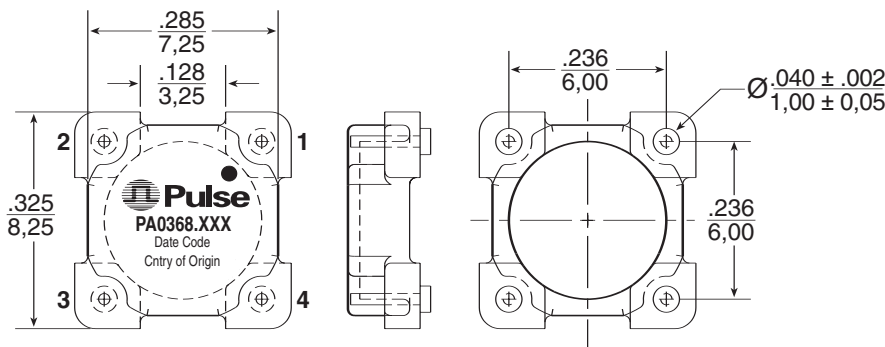
Part Number ^{4,5}	Turns ratio	Current Rating ¹	Secondary Inductance (mH MIN)	DCR (mΩ MAX)		Hipot (VRMS)
				Primary	Secondary	
PA0368.050NL	1:50	4	1.7	4	900	500
PA0368.070NL	1:70	4	3.3	4	1200	500
PA0368.080NL	1:80	4	4.3	4	1400	500
PA0368.100NL	1:100	4	6.7	4	1600	500
PA0368.125NL	1:125	4	10.4	4	1900	500

NOTES:

1. The maximum current rating is based on temperature rise of the component and represents the DC current which will cause a typical temperature rise of 40°C with no airflow.
2. To calculate the value of the terminating resistor (Rt) use the following formula: $R_t (\Omega) = V_{REF} * N / (I_{peak\ primary})$
3. The peak flux density of device must remain below 2000 Gauss.
To calculate the peak flux density for a uni-polar current, use the following formula: $B_{pk} = 64.9 * V_{REF} * (Duty\ Cycle\ Max) * 10^5 / (N * Freq\ kHz)$
*for bi-polar current applications divide Bpk (as calculated above) by 2.
4. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. PA0368.050NL becomes PA0368.050NLT). Pulse complies to industry standard tape and reel specification EIA481.
5. The "NL" suffix indicates an RoHS-compliant part number. Non-NL suffixed parts are not necessarily RoHS compliant, but are electrically and mechanically equivalent to NL versions. If a part number does not have the "NL" suffix, but an RoHS compliant version is required, please contact Pulse for availability.
6. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

Mechanical

Schematic



APPLICATION CIRCUIT

Weight0.3 grams
Tape & Reel1100/reel

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