mail

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 POWER INDUCTORS Unshielded Drum Core - PA0390NL Series





- Height: 5.1mm Max **D**
 - Footprint: 8.89mm x 6.10mm Max
- Current Rating: up to 6.0A
- Inductance Range: 0.6µH to 113µH

and reel specification EIA481.

Electrical Specifications @ 25°C — Operating Temperature - 40°C to +130°C					
Part ^{6,7} Number	Inductance @ Ι _{ΡΚ} Α _{DC} (μΗ ± 20%)	Irated ⁵ (A)	DCR (MAX) (mΩ)	Saturation Current (A) @ 25°C	Heating Current (A)
PA0390.471NL	0.6	6	9.7	7.7	6
PA0390.102NL	1.2	4.4	17.7	5.3	4.4
PA0390.152NL	1.6	4.2	20	4.5	4.2
PA0390.222NL	2.6	3.1	36.3	3.5	3.1
PA0390.332NL	3.8	2.9	42.8	3	2.9
PA0390.472NL	5.2	2.2	54.4	2.6	2.2
PA0390.682NL	6.9	1.7	89.7	2.2	1.7
PA0390.103NL	11	1.5	110.7	1.9	1.5
PA0390.153NL	16	1.2	174.7	1.5	1.2
PA0390.223NL	23	1	254.1	1.2	1
PA0390.333NL	36	0.82	367	0.99	0.82
PA0390.473NL	48	0.72	474	0.87	0.72
PA0390.683NL	73	0.58	732	0.67	0.58
PA0390.104NL	113	0.47	1109	0.53	0.47

NOTES: 1. The temperature of the component (ambient plus temperature rise) must be within the specified operating temperature range.

2. Inductance tested at 100kHz, 250mVRMs

3. Inductance drop = 10% typical at the Saturation Current. 4. $\Delta T = 40^{\circ}$ C rise typical at the Heating Current

5. The rated current is the lower of the saturation or heating current.

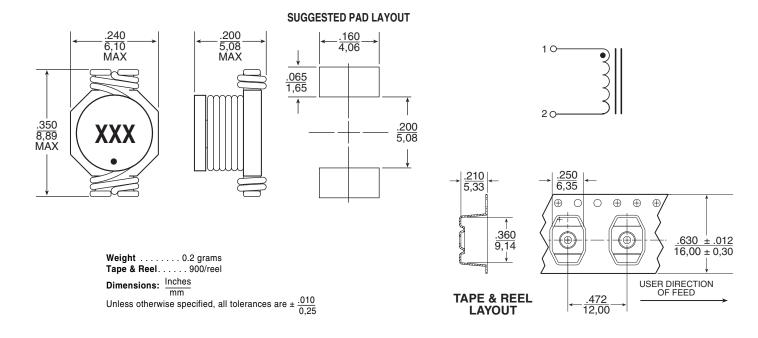
If a part number does not have the "NL" suffix, but an RoHS compliant version is required, please contact Pulse for availability **Schematic**

6. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number

7. 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.

(i.e. PA0390.102NL becomes PA0390.102NLT). Pulse complies to industry standard tape

Mechanical



USA 858 674 8100 • Germany 49 7032 7806 0 • Singapore 65 6287 8998 • Shanghai 86 21 54643211 / 2 • China 86 755 33966678 • Taiwan 886 3 4641811