SMT Common Mode Chokes

1.22A to 14.0 A





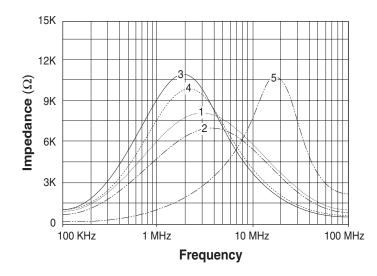
- Solutions based on impedance, size and current
- Designed for DC/DC converters
- Wide variety of inductor sizes and current ratings available
- Dielectric strength: 1000VRMS

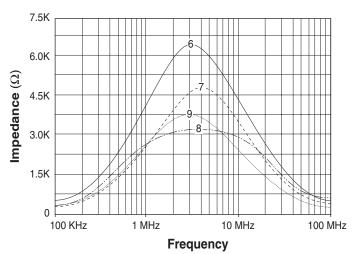
Electrical Specifications @ 25°C – Operating Temperature -40°C to +120°C³								
Part Number	Inductance (mH ±35%)	Irated (A)	$\begin{array}{c} \text{DCR (MAX)} \\ \text{(m}\Omega) \end{array}$	Curve (see # below)	Package	Weight (Grams)	Quantity In Tube	Quantity In Reel
P0502NL	0.47	14.0	8	9	Big Foot	14.8	15	75
P0469NL	0.63	11.6	10	7	Big Foot	14.3	20	75
PO429NL	0.81	9.70	14	6	Big Foot	13.5	20	75
P0527NL	0.53	7.20	15	8	HCCI-68	7.7	15	100
P0353NL	0.59	5.60	21	7	LCCI-50	5.2	30	200
PO422NL	0.77	4.70	40	6	LCCI-50	4.9	30	200
PO421NL	0.22	3.30	60	5	LCCI-50	4.7	30	200
P0420NL	1.32	3.30	60	4	LCCI-50	4.6	30	200
PO351NL	1.47	2.80	80	3	LCCI-50	4.3	30	200
PO473NL	0.88	1.63	110	2	Polecat	1.5	35	500
P0354NL	1.17	1.22	200	1	Polecat	1.4	35	500

Notes:

- 1. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. P0502 becomes P0502T). Pulse complies to industry standard tape and reel specification EIA481.
- 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.
- 3. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

Impedance Curves





Pulse Electronics

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Mechanicals

Polecat LCCI-50 .445 .670 17,02 .500 12,70 MAX 11,30 4X <u>.175</u> 4,45 .500 12,70 MAX 4X $\frac{.060}{1,52}$.650 16,51 2 **Suggested Pad Layout Suggested Pad Layout** .215 5,46 MAX .005/0,13 .330 8,38 <u>.410</u> 10,41 $\frac{.390}{9,91}$ MAX 4 SURFACES <u>.650</u> MAX .445 .005/0,13 11,30 4 SURFACES $\frac{.770}{19,56}$ MAX HCCI-68 **Blg Foot** $4X \frac{.080}{2,03}$ 1.100 27,94 .300 7,62 .400 10,16 1 3 3 + • Pulse .620 15,75 1.000 Pulse Pulse .600 15,24 1.000 25,40 MAX P0527NL 25,40 U.S. PAT. 5309130 2 $\frac{1.000}{25,40}$ $\frac{1.220}{30,99}$ MAX **Suggested Pad Layout Suggested Pad Layout** .395 10,03 MAX $\frac{.500}{12,70}$ MAX 1.100 27,94 .006/0,15 $\frac{1.000}{25,40} \pm \frac{.015}{0,38}$ 4 SURFACES .005/0,13 1.110 28,19 MAX 4 SURFACES **Schematic** \bigcirc 3 **Dimensions:** Unless otherwise specified, all tolerances are $\pm \frac{.005}{0.13}$ 2 (

