

# SMT COMMON MODE CHOKES

## 1.22A to 14.0A



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

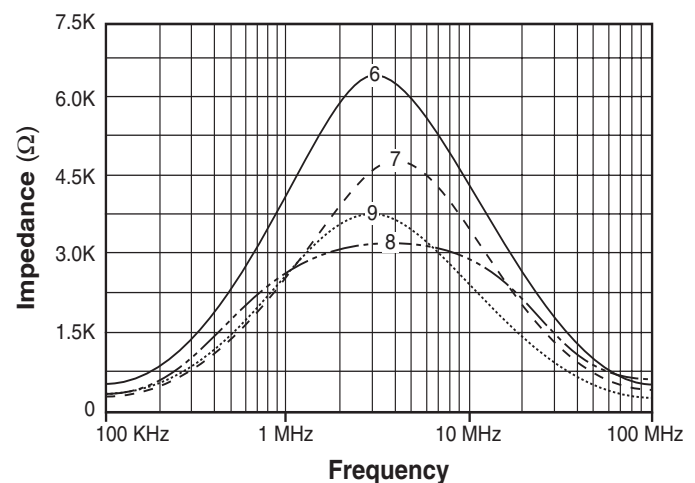
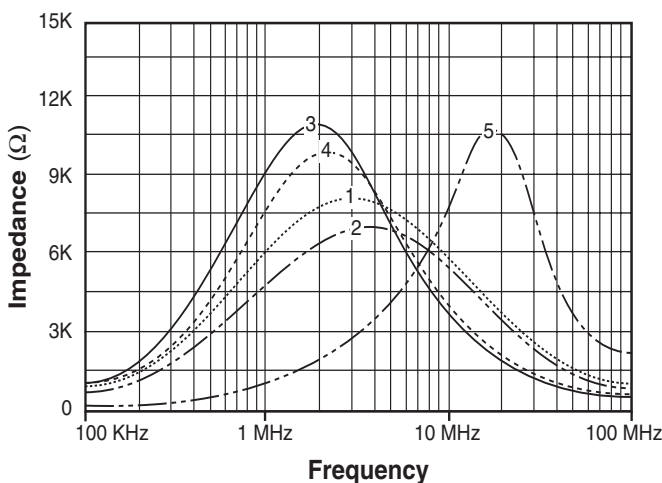
### Electrical Specifications @ 25°C — Operating Temperature -40°C to +120°C<sup>3</sup>

| Part <sup>1,2</sup> Number | Inductance (mH ±35%) | I <sub>rated</sub> (A) | DCR (MAX) (mΩ) | 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               |
| P0429NL                    | 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              |
| P0422NL                    | 0.77                 | 4.70                   | 40             | 6                   | LCCI-50  | 4.9            | 30               | 200              |
| P0421NL                    | 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              |
| P0351NL                    | 1.47                 | 2.80                   | 80             | 3                   | LCCI-50  | 4.3            | 30               | 200              |
| P0473NL                    | 0.88                 | 1.63                   | 110            | 2                   | Polecat  | 1.5            | 40               | 500              |
| P0354NL                    | 1.17                 | 1.22                   | 200            | 1                   | Polecat  | 1.4            | 40               | 500              |

#### NOTE:

- 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.
- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

### Impedance Curves



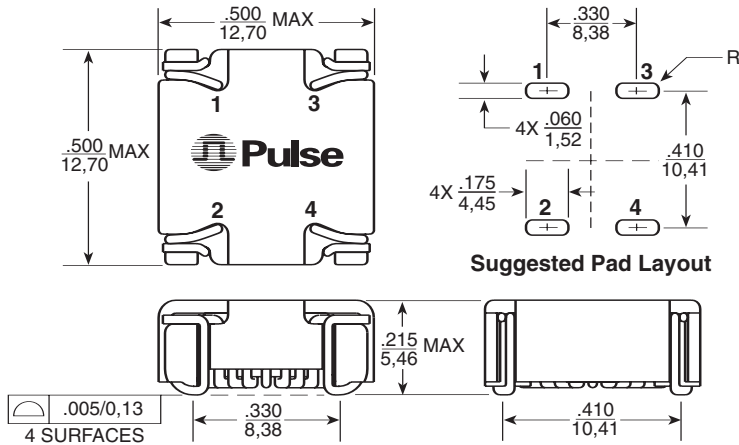
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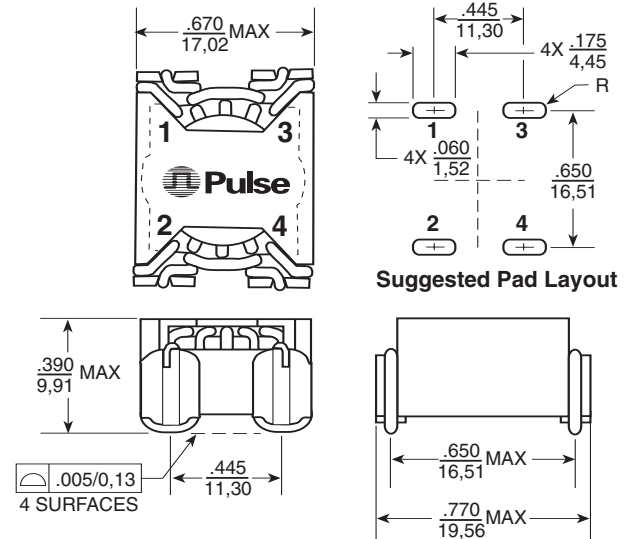


### Mechanicals

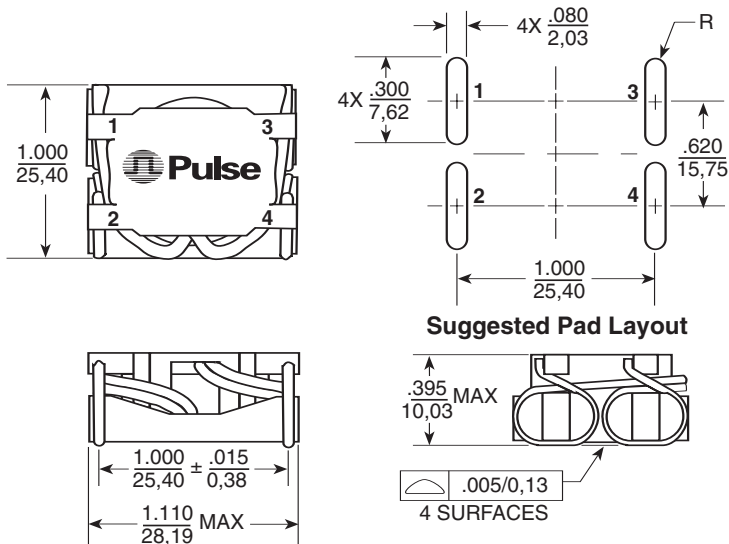
#### Polecat



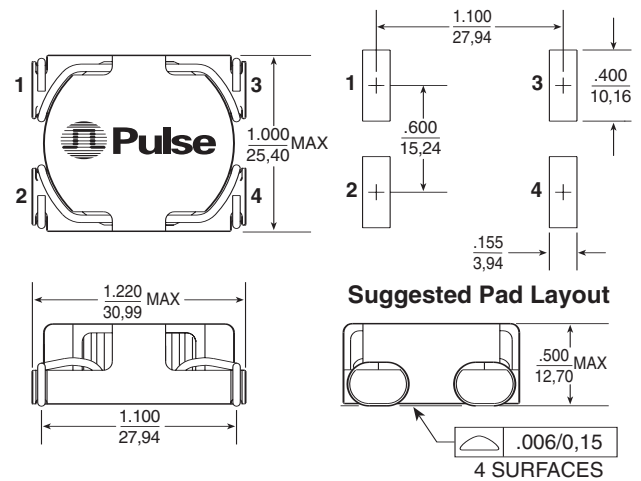
#### LCCI-50



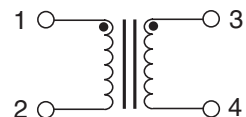
#### HCCI-68



#### Big Foot



### Schematic



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are  $\pm \frac{.005}{0.13}$