





# SMT COMMON MODE INDUCTORS

## Toroid - Military/Aerospace POGO Series

### 0.5A to 3.6A



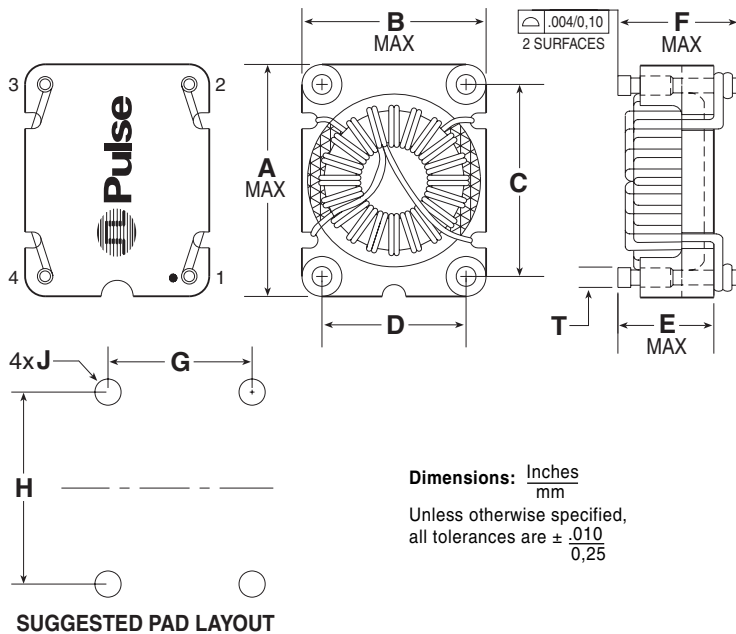
-  Ruggedized header with POGO pins for secure board mounting
-  Rated voltage 250V<sub>AC</sub>
-  Low RFI toroid
-  Tape & Reel packaging available

#### Electrical Specifications @ 25°C — Operating Temperature -55°C to +130°C

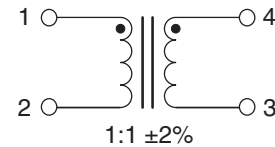
| Part <sup>1</sup> Number | Inductance (mH ±30%) | I <sub>rated</sub> (A) | DCR (MAX) (mΩ) | SRF (MHz) | Impedance Curve (see below) | Size Code | Weight (Grams) | Quantity In Tube |
|--------------------------|----------------------|------------------------|----------------|-----------|-----------------------------|-----------|----------------|------------------|
| PL8800                   | 1.0                  | 3.60                   | 50             | 4         | 1                           | POGO 50   | 7.1            | 30               |
| PL8801                   | 1.5                  | 1.50                   | 60             | 2         | 2                           | POGO 40   | 2.5            | 30               |
| PL8802                   | 3.0                  | 2.50                   | 80             | 2.2       | 3                           | POGO 50   | 7.1            | 30               |
| PL8803                   | 10.0                 | 1.00                   | 450            | 0.5       | 4                           | POGO 40   | 3.0            | 30               |
| PL8804                   | 22.0                 | 0.50                   | 850            | 0.3       | 5                           | POGO 40   | 3.0            | 30               |

NOTE: 1. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. PL8800 becomes PL8800T). Pulse complies to industry standard tape and reel specification EIA481.

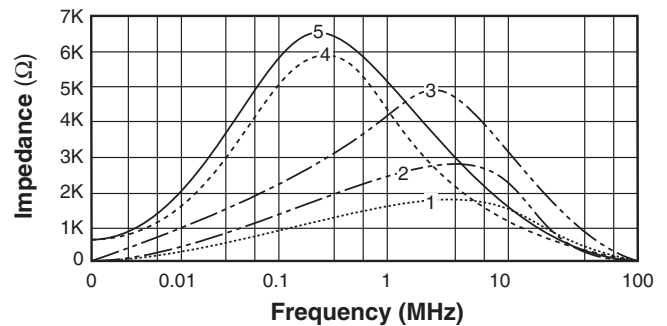
### Mechanical



### Schematic



### Impedance Curves



| Size    | A          | B          | C          | D          | E          | F          | G          | H          | J         | T         |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| POGO 40 | .725/18,42 | .575/14,61 | .600/15,24 | .450/11,43 | .310/7,87  | .380/9,65  | .450/11,43 | .600/15,24 | .082/2,08 | .062/1,57 |
| POGO 50 | .910/23,11 | .700/17,78 | .730/18,54 | .520/13,21 | .400/10,16 | .510/12,95 | .520/13,21 | .730/18,54 | .145/3,68 | .125/3,18 |

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