



Features

- Low cost, high quality
- Excellent temperature stability
- High currents
- E12 series 100 μ H to 33mH
- Open construction
- RoHS compliant*



Models in this series marked with an asterisk (*) are obsolete and not recommended for new designs.

PT121 Series - Radial High Q Inductors

Electrical Specifications (@ 25 °C)

| Part Number | Inductance ⁽¹⁾ mH ± 10 % | Q (ref.) | Measure frequency Q and Inductance kHz | Self Resonant frequency MHz min. (2) | DCR Ω (max.) | Rated I DC mA (max.) |
|-------------|--|-------------|--|---|---------------------------|----------------------------|
| * PT12110SL | 0.10 | 80 | 796.0 | 5.30 | 2.0 | 200 |
| * PT12111SL | 0.12 | 80 | 796.0 | 4.50 | 2.0 | 200 |
| * PT12112SL | 0.15 | 80 | 796.0 | 3.80 | 2.0 | 200 |
| * PT12113SL | 0.18 | 80 | 796.0 | 3.30 | 3.0 | 200 |
| * PT12114SL | 0.22 | 80 | 796.0 | 2.90 | 3.0 | 200 |
| * PT12115SL | 0.27 | 80 | 796.0 | 2.60 | 3.0 | 200 |
| * PT12116SL | 0.33 | 80 | 796.0 | 2.30 | 4.0 | 200 |
| * PT12117SL | 0.39 | 80 | 796.0 | 2.10 | 4.0 | 200 |
| * PT12118SL | 0.47 | 80 | 796.0 | 1.90 | 4.0 | 200 |
| * PT12119SL | 0.56 | 80 | 796.0 | 1.70 | 4.0 | 200 |
| * PT12120SL | 0.60 | 80 | 796.0 | 1.60 | 4.0 | 200 |
| * PT12121SL | 1.00 | 90 | 252.0 | 1.30 | 6.0 | 150 |
| * PT12123SL | 1.20 | 90 | 252.0 | 1.20 | 9.0 | 150 |
| * PT12124SL | 1.50 | 90 | 252.0 | 1.10 | 9.0 | 150 |
| * PT12125SL | 1.80 | 90 | 252.0 | 1.00 | 9.0 | 100 |
| * PT12126SL | 2.20 | 90 | 252.0 | 0.90 | 13.0 | 100 |
| * PT12127SL | 2.70 | 90 | 252.0 | 0.80 | 13.0 | 100 |
| * PT12128SL | 3.30 | 90 | 252.0 | 0.70 | 13.0 | 100 |
| * PT12129SL | 3.90 | 90 | 252.0 | 0.70 | 13.0 | 50 |
| * PT12130SL | 4.70 | 90 | 252.0 | 0.60 | 18.0 | 50 |
| * PT12131SL | 5.60 | 90 | 252.0 | 0.60 | 18.0 | 50 |
| * PT12132SL | 6.80 | 90 | 252.0 | 0.50 | 26.0 | 50 |
| * PT12133SL | 8.20 | 90 | 252.0 | 0.50 | 26.0 | 50 |
| * PT12134SL | 10.00 | 100 | 79.6 | 0.40 | 40.0 | 40 |
| * PT12135SL | 12.00 | 100 | 79.6 | 0.40 | 40.0 | 40 |
| * PT12136SL | 15.00 | 100 | 79.6 | 0.40 | 60.0 | 40 |
| * PT12137SL | 18.00 | 100 | 79.6 | 0.30 | 60.0 | 30 |
| * PT12138SL | 22.00 | 100 | 79.6 | 0.30 | 80.0 | 30 |
| * PT12139SL | 27.00 | 100 | 79.6 | 0.30 | 80.0 | 30 |
| * PT12140SL | 33.00 | 100 | 79.6 | 0.30 | 80.0 | 30 |

NOTES:

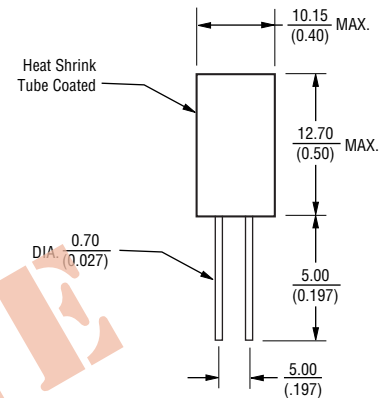
- (1) Version J: Inductance Value ± 5 % is also available. Please insert 'J' after 'S' in part number if Inductance Value ± 5 % is required (i.e. PT12110SJL).
- (2) Measurements are made at 25 °C using HP4277A LCZ Meter Self Resonant Frequency is for reference only.

Full encapsulated units with Epoxy Resin are also available. Please consult factory for details.

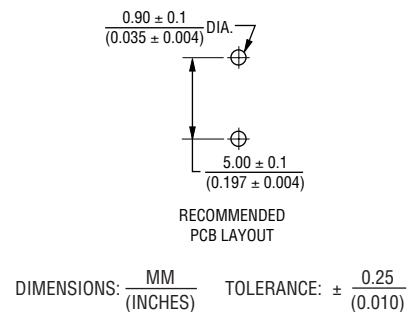
General Specifications

Terminal.....Cu/Sn
 Operating Temperature Range
-20 °C to +80 °C
 Storage Temperature Range
-25 °C to +85 °C

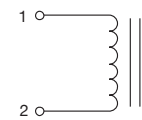
Product Dimensions



Recommended PCB Layout



Electrical Schematic



Schematic

REV. 01/15

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

单击下面可查看定价，库存，交付和生命周期等信息

[>>Bourns\(伯恩斯\)](#)