


Features

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

 The PT121xxL Series is currently available, although not recommended for new designs. The PT121xxSL Series is preferred.

- Available with 3M tape (#56) for outer covering (standard version) or heat shrink tube ("S" version)

PT121 Series - Radial High Q Inductors

Electrical Specifications (@ 25 \pm C)

Part Number	Inductance Typical (1) mH \pm 10 %	Q (ref.)	Measure frequency Q and Inductance kHz	Self Resonant frequency MHz min. (2)	DCR Ω (max.)	Rated I DC mA (max.)
PT12110L	0.10	80	796.0	5.30	2.0	200
PT12111L	0.12	80	796.0	4.50	2.0	200
PT12112L	0.15	80	796.0	3.80	2.0	200
PT12113L	0.18	80	796.0	3.30	3.0	200
PT12114L	0.22	80	796.0	2.90	3.0	200
PT12115L	0.27	80	796.0	2.60	3.0	200
PT12116L	0.33	80	796.0	2.30	4.0	200
PT12117L	0.39	80	796.0	2.10	4.0	200
PT12118L	0.47	80	796.0	1.90	4.0	200
PT12119L	0.56	80	796.0	1.70	4.0	200
PT12120L	0.60	80	796.0	1.60	4.0	200
PT12121L	1.00	90	252.0	1.30	6.0	150
PT12123L	1.20	90	252.0	1.20	9.0	150
PT12124L	1.50	90	252.0	1.10	9.0	150
PT12125L	1.80	90	252.0	1.00	9.0	100
PT12126L	2.20	90	252.0	0.90	13.0	100
PT12127L	2.70	90	252.0	0.80	13.0	100
PT12128L	3.30	90	252.0	0.70	13.0	100
PT12129L	3.90	90	252.0	0.70	13.0	50
PT12130L	4.70	90	252.0	0.60	18.0	50
PT12131L	5.60	90	252.0	0.60	18.0	50
PT12132L	6.80	90	252.0	0.50	26.0	50
PT12133L	8.20	90	252.0	0.50	26.0	50
PT12134L	10.00	100	79.6	0.40	40.0	40
PT12135L	12.00	100	79.6	0.40	40.0	40
PT12136L	15.00	100	79.6	0.40	60.0	40
PT12137L	18.00	100	79.6	0.30	60.0	30
PT12138L	22.00	100	79.6	0.30	80.0	30
PT12139L	27.00	100	79.6	0.30	80.0	30
PT12140L	33.00	100	79.6	0.30	80.0	30

NOTES:

- (1) Version J: Inductance Value \pm 5 % is also available. Please add 'J' to above part number if Inductance Value \pm 5 % is required (i.e. PT12110J)
- (2) Measurements are made at 25 \pm C using HP4277A LCZ Meter Self Resonant Frequency is for reference only.

General Specifications

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

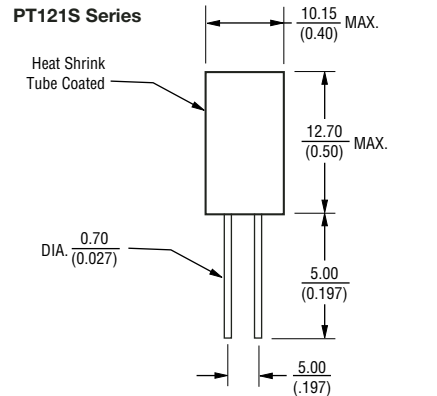
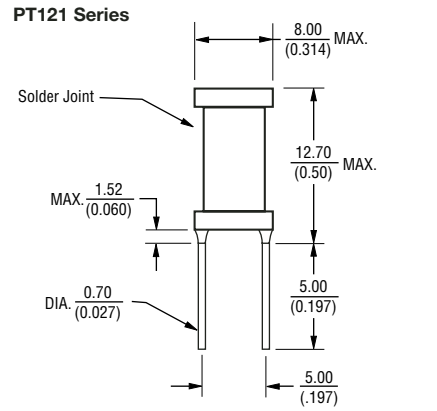
Full encapsulated units with Epoxy Resin are also available. Please consult factory for details.

"S" Version uses heat shrink tube for outer cover. Diameter and height are slightly higher than standard version. (See product dimensions.)

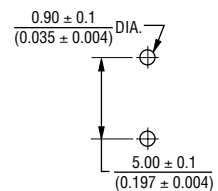
REV. 02/06

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

Product Dimensions



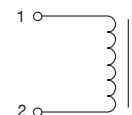
Recommended PCB Layout



RECOMMENDED PCB LAYOUT

DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$ TOLERANCE: $\pm \frac{0.25}{(0.010)}$

Electrical Schematic



Schematic