Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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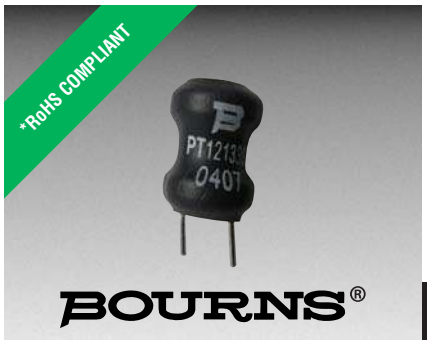


Features

- Low cost, high quality
- Excellent temperature stability
- High currents
- E12 series 100 µH 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).

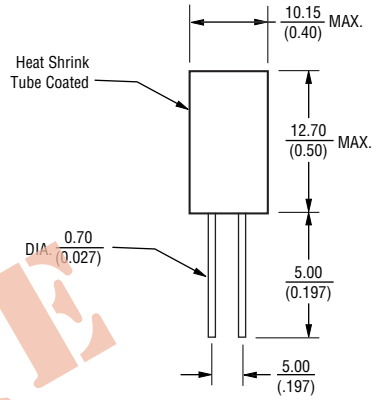
(2) Measurements are made at 25 °C using HP4277A LCZ Meter Self Resonant Frequency is for reference only.

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

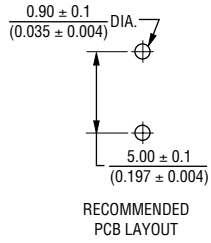
General Specifications

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

Product Dimensions



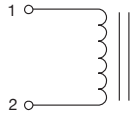
Recommended PCB Layout



RECOMMENDED
PCB LAYOUT

DIMENSIONS: MM (INCHES) TOLERANCE: ± 0.25 (0.010)

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.