



### Features

- Low cost, high quality
- Excellent temperature stability
- High currents
- Inductance: 8.2 mH
- Open construction
- RoHS compliant\*



This model is currently available but not recommended for new designs.

## PT121 Series - Radial High Q Inductors

### Electrical Specifications (@ 25 °C)

Part Number	Inductance <sup>(1)</sup> mH ±10 %	Q (ref.)	Measure frequency Q and Inductance kHz	Self Resonant frequency MHz min. <sup>(2)</sup>	DCR Ω (max.)	Rated I DC mA (max.)
PT12133SL	8.2	90	252.0	0.50	26.0	50

#### NOTES:

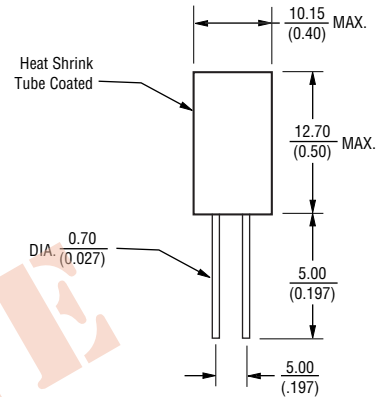
- (1) Version J: Inductance Value ±5 % is also available. Please insert 'J' after 'S' in part number if Inductance Value ±5 % is required (i.e. PT12133SJL).
- (2) Measurements are made at 25 °C using HP4277A LCZ Meter Self Resonant Frequency is for reference only.

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

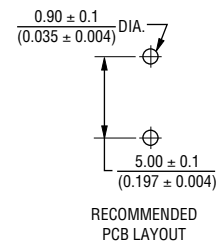
### General Specifications

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

### Product Dimensions

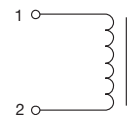


### Recommended PCB Layout



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

### Electrical Schematic



Schematic



**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

\*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. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at [www.bourns.com/docs/legal/disclaimer.pdf](http://www.bourns.com/docs/legal/disclaimer.pdf)

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