



## Features

- Magnetically shielded
- Flat wirewound
- Low DCR
- High saturation current
- Extra solder pad for increased mechanical stability
- AEC-Q200 compliant
- RoHS compliant\* and halogen free\*\*

## PQ2614BLA/BHA Series - Shielded Power Inductors

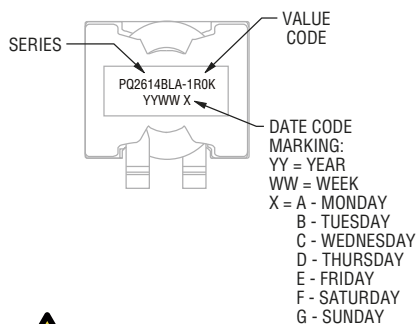
### Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 kHz / 0.1 V		SRF (MHz) Typ.	DCR (mΩ) Typ.	DCR (mΩ) Max.	Irms (A) Typ.	Isat1 (A) Typ.	Isat2 (A) Typ.
	L (μH)	Tol. (%)						
PQ2614BLA-1R0K	1.0	± 10	61	0.85	1.20	30	>100	>100
PQ2614BLA-1R5K	1.5	± 10	60	1.29	1.60	30	>100	>100
PQ2614BHA-2R2K	2.2	± 10	40	1.62	1.90	30	>100	>100
PQ2614BLA-2R2K	2.2	± 10	50	1.29	1.60	30	84.0	84.8
PQ2614BHA-3R3K	3.3	± 10	30	1.62	1.90	30	66.9	68.4
PQ2614BLA-3R3K	3.3	± 10	40	1.29	1.60	30	54.0	57.0
PQ2614BHA-4R7K	4.7	± 10	25	1.62	1.90	30	48.0	50.1
PQ2614BLA-4R7K	4.7	± 10	30	1.29	1.60	30	36.9	39.0
PQ2614BHA-6R8K	6.8	± 10	20	1.62	1.90	30	34.5	36.2
PQ2614BLA-6R8K	6.8	± 10	25	1.29	1.60	30	26.0	27.8
PQ2614BHA-100K	10	± 10	15	1.62	1.90	30	21.5	23.4
PQ2614BLA-100K	10	± 10	20	1.29	1.60	30	16.2	17.6
PQ2614BHA-150K	15	± 10	12	1.62	1.90	30	14.0	15.2
PQ2614BLA-150K	15	± 10	15	1.29	1.60	30	9.8	11.0
PQ2614BHA-220K	22	± 10	10	1.62	1.90	30	8.6	9.6
PQ2614BLA-220K	22	± 10	10	1.29	1.60	30	6.0	6.8
PQ2614BHA-330K	33	± 10	8	1.62	1.90	30	5.1	5.9
PQ2614BLA-330K	33	± 10	7	1.29	1.60	30	2.6	3.3

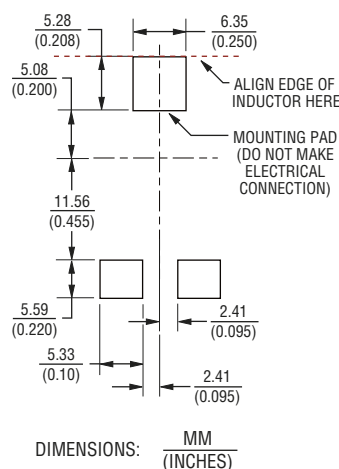
### How to Order

Model **PQ2614B** **A** - 100K  
 Current \_\_\_\_\_  
 L = Low Isat  
 H = High Isat  
 AEC-Q200 Compliant \_\_\_\_\_  
 Value Code (see table) \_\_\_\_\_

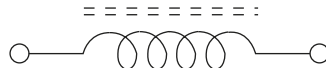
### Typical Part Marking



### Recommended Layout



### Electrical Schematic



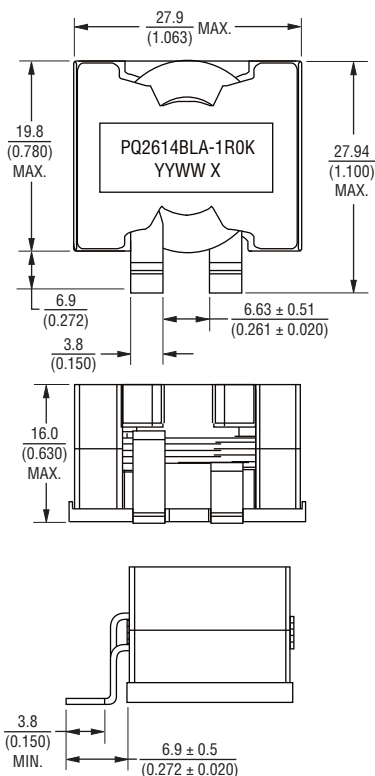
### General Specifications

Dielectric Withstand Voltage - Terminal to Core .... 300 VDC 5 mA max.  
 Operating Temperature ..... -40 °C to +155 °C (Temperature rise included)  
 Storage Temperature (Component) ..... -40 °C to +155 °C  
 Rated Current ..... Inductance drops 20 % at Isat1  
 Inductance drops 30 % at Isat2  
 Temperature Rise ..... 40 °C at rated Irms  
 Moisture Sensitivity Level ..... 1  
 ESD Classification (HBM) ..... N/A

### Materials

Core ..... Ferrite  
 Wire ..... Enameled copper  
 Terminal Finish ..... Sn  
 Packaging ..... 25 pcs/tray

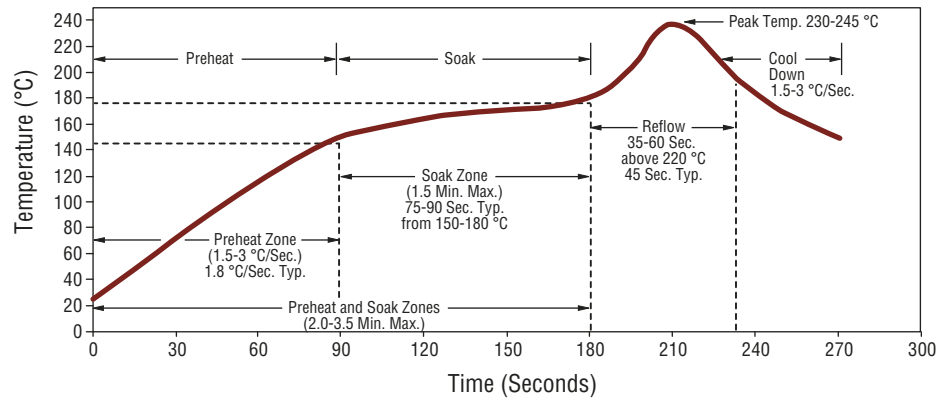
### Product Dimensions



**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.  
 \*\*\*"Q" part number suffix for automotive and other applications requiring appropriate AEC-Q101 compliance.  
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DIMENSIONS: MM (INCHES)

**Soldering Profile****BOURNS®**

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