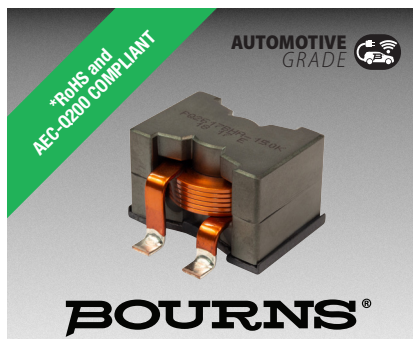




Features

- Magnetically shielded
- Flat wirewound
- Low DCR
- High saturation current
- Extra solder pad for increased mechanical stability

- AEC-Q200 compliant
- RoHS compliant* and halogen free**

PQ2617BHA Series – Shielded Power Inductors

Electrical Specifications @ 25 °C

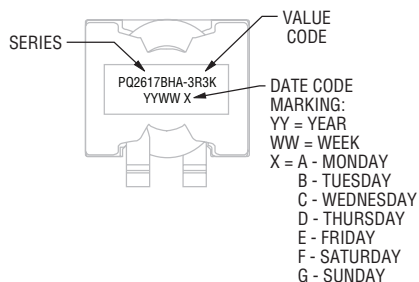
Bourns Part Number	Inductance @ 100 kHz / 0.1 V		SRF (MHz) Typ.	DCR (mΩ) Typ.	DCR (mΩ) Max.	I _{rms} (A) Typ.	Isat1 (A) Typ.	Isat2 (A) Typ.
	L (μH)	Tol. (%)						
PQ2617BHA-3R3K	3.3	± 10	40	2.16	2.50	28	92.5	93.6
PQ2617BHA-4R7K	4.7	± 10	30	2.16	2.50	28	61.2	62.4
PQ2617BHA-6R8K	6.8	± 10	25	2.16	2.50	28	45.0	45.9
PQ2617BHA-100K	10	± 10	20	2.16	2.50	28	31.2	32.1
PQ2617BHA-150K	15	± 10	16	2.16	2.50	28	21.2	21.9
PQ2617BHA-220K	22	± 10	15	2.16	2.50	28	14.0	15.0
PQ2617BHA-330K	33	± 10	10	2.16	2.50	28	8.7	9.6

How to Order

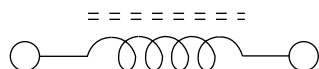
PQ2617BH A - 100K

Model _____
AEC-Q200 Compliant _____
Value Code (see table) _____

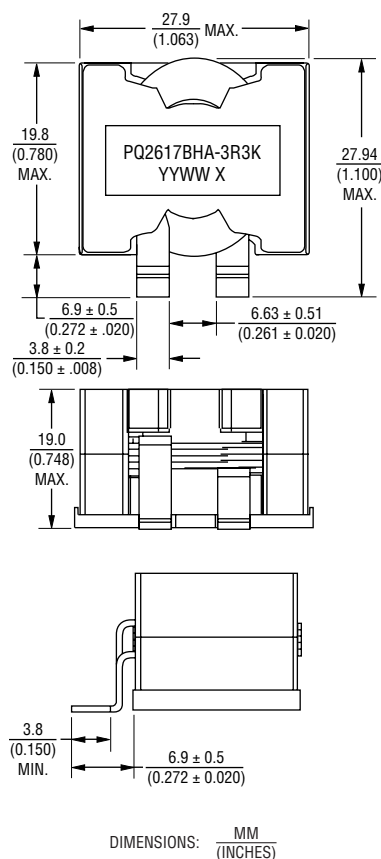
Typical Part Marking



Electrical Schematic



Product Dimensions



Additional Information

Click these links for more information:



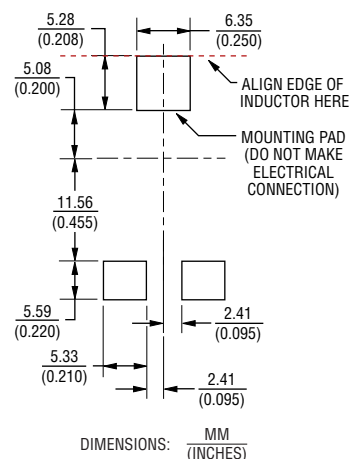
General Specifications

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 I_{rms}
Moisture Sensitivity Level 1
ESD Classification (HBM) N/A

Materials

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

Recommended Layout



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

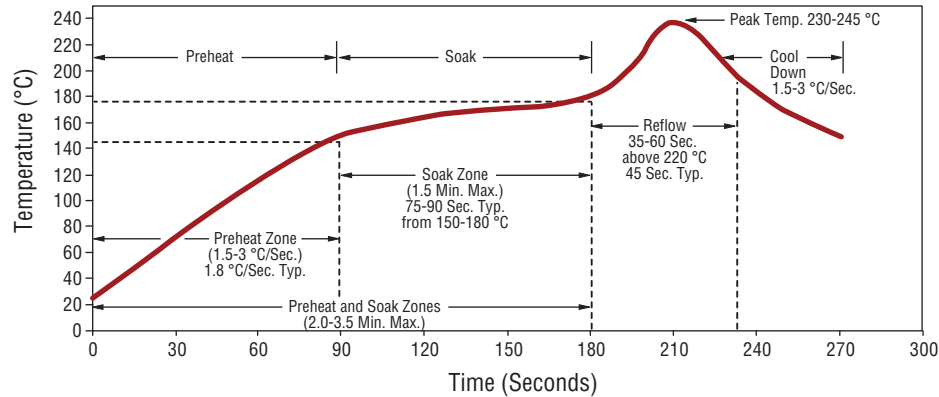
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

**Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less. 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.

PQ2617BHA Series – Shielded Power Inductors

BOURNS®

Soldering Profile



BOURNS®

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Asia: Tel: +886-2-2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

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REV. 10/25

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Users should verify actual device performance in their specific applications.

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