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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

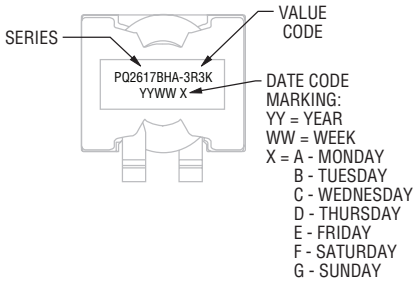
Bourns Part Number	Inductance @ 100 kHz / 0.1 V		SRF (MHz) Typ.	DCR (mΩ) Typ.	DCR (mΩ) Max.	Irms (A) Typ.	Isat1 (A) Typ.	Isat2 (A) Typ.
	L (µH)	Tol. (%)						
PQ2617BHA-3R3K	3.3	± 10	40	2.16	2.50	28	92.5	93.6
PQ2617BHA-4R7K	4.7	± 10	30	2.16	2.50	28	61.2	62.4
PQ2617BHA-6R8K	6.8	± 10	25	2.16	2.50	28	45.0	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

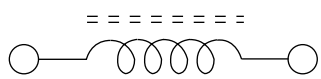
PQ2617BH A - 100K

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

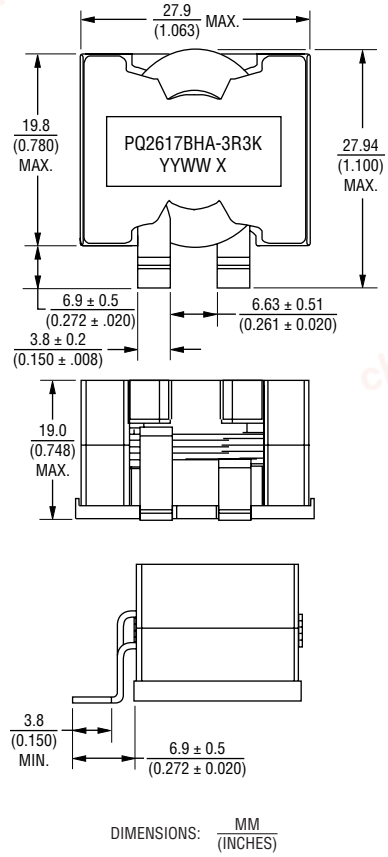
Typical Part Marking



Electrical Schematic



Product Dimensions



DIMENSIONS: MM (INCHES)

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

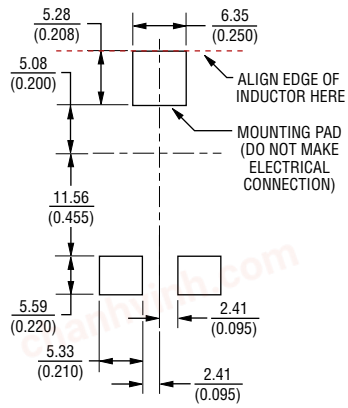
General Specifications

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

Recommended Layout



DIMENSIONS: MM (INCHES)

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

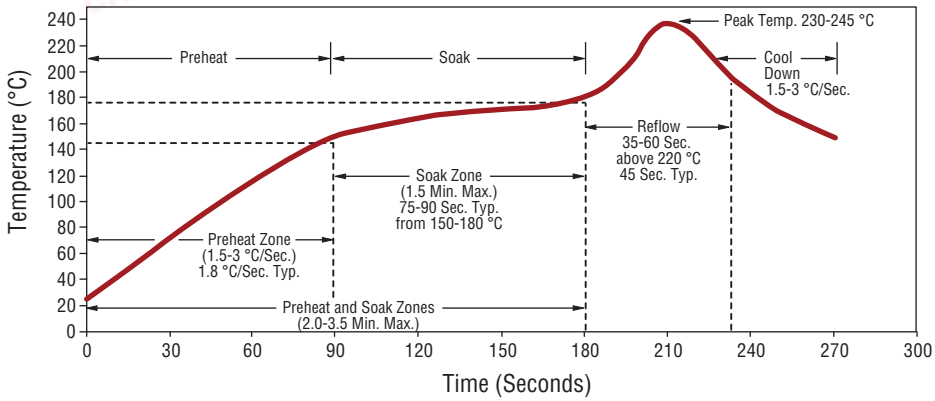
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

**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.

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Soldering Profile



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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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