



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**

Additional Information

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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.	I _{rms} (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

PQ2614B A - 100K

Model _____

Current _____

L = Low Isat
H = High Isat

AEC-Q200 Compliant _____

Value Code (see table) _____

Typical Part Marking

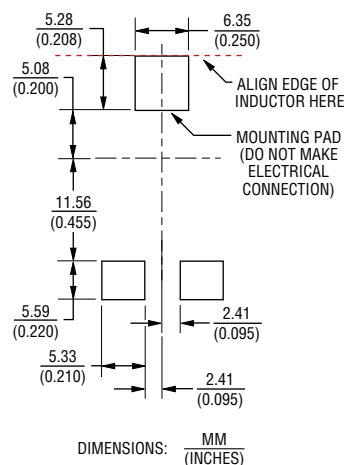
SERIES _____

VALUE CODE _____

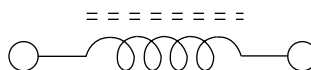
DATE CODE MARKING:
YY = YEAR
WW = WEEK
X = A - MONDAY
B - TUESDAY
C - WEDNESDAY
D - THURSDAY
E - FRIDAY
F - SATURDAY
G - SUNDAY

PQ2614BLA-1R0K
YYWW X

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 I_{rms}

Moisture Sensitivity Level 1

ESD Classification (HBM) N/A

Materials

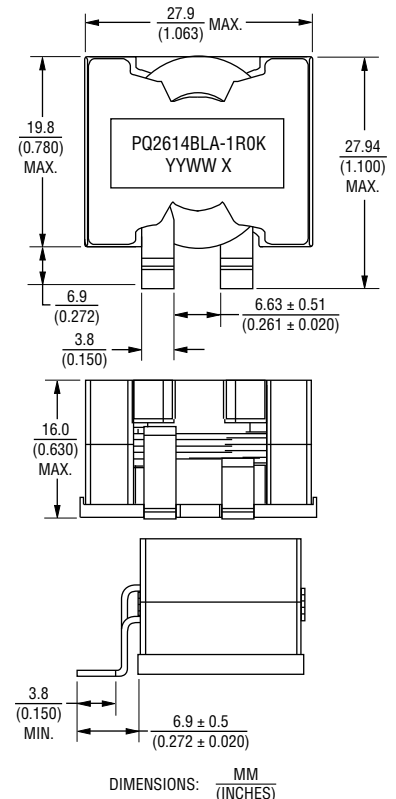
Core Ferrite

Wire Enameled copper

Terminal Finish Sn

Packaging 25 pcs/tray

Product Dimensions



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

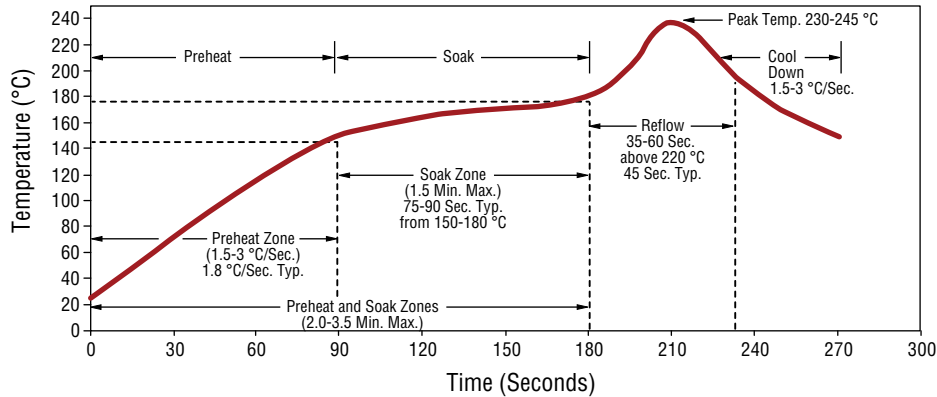
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

**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.

PQ2614BLA/BHA Series – Shielded Power Inductors

BOURNS®

Soldering Profile



BOURNS®

Americas: Tel: +1 951-781-5500 • Email: americus@bourns.com

Mexico: Tel: +52-614-478-0400 • Email: mexicus@bourns.com

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. 06/24

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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