

Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Low buzz noise
- Flat wire
- RoHS compliant* and halogen free**

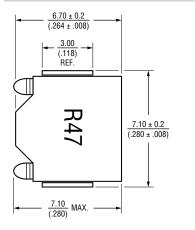
BOURNS®

SRP0620 Series - Shielded Power Inductors

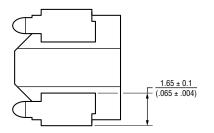
Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 kHz / 1 V		Q Typ.	Q Test Freq,	SRF (MHz)	DCR (mΩ)	DCR (mΩ)	Irms (A)	Isat (A)
	L (µH)	Tol. (%)	iyp.	(MHz)	Тур.	Тур.	Max.	Тур.	Тур.
SRP0620-R47K	0.47	10	19	25.2	63	4.6	5.5	15.5	25.0
SRP0620-R68K	0.68	10	18	25.2	49	6.0	7.1	13.0	24.0
SRP0620-1R0K	1.00	10	40	7.96	41	9.0	10.6	11.0	15.7
SRP0620-1R5K	1.50	10	53	7.96	34	13.2	15.6	9.0	15.8
SRP0620-2R2K	2.20	10	46	7.96	26	15.2	17.8	8.8	11.5
SRP0620-3R3K	3.30	10	25	7.96	20	25.8	30.2	6.6	8.5
SRP0620-4R7K	4.70	10	35	7.96	15	34.0	39.6	5.7	7.7
SRP0620-6R8K	6.80	10	26	7.96	12	54.0	63.0	4.5	6.0
SRP0620-100K	10.0	10	38	2.52	10	82.0	96.0	3.6	5.0

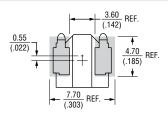
Product Dimensions





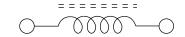


Recommended Layout



DIMENSIONS: $\frac{MM}{(INCHES)}$

Electrical Schematic



Additional Information

Click these links for more information:











RODUCT

TECHNICAL INVENTORY SAMPLES

S CON

General Specifications

Operating Temperature

.....-40 °C to +125 °C (Temperature rise included)

Storage Temperature (Component)-40 °C to +125 °C

Rated Current

Note 1: Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

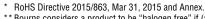
Materials

Please consult <u>Bourns® Model SRP-A</u>
<u>Series Visual Inspection Guide</u> for detailed construction, processing and testing information.

How to Order

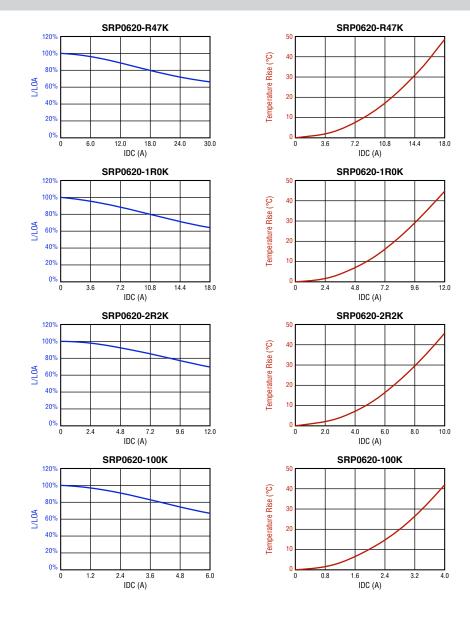
SRP0620 - 4R7K

Model — Value Code (see table)



^{**} 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.

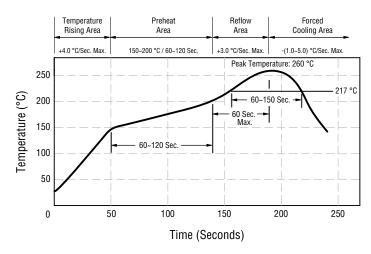
L vs. I Charts



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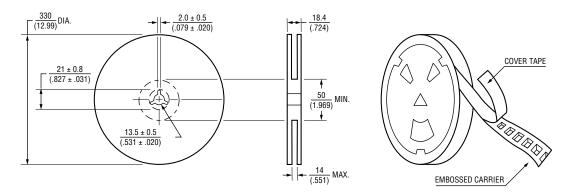
Soldering Profile

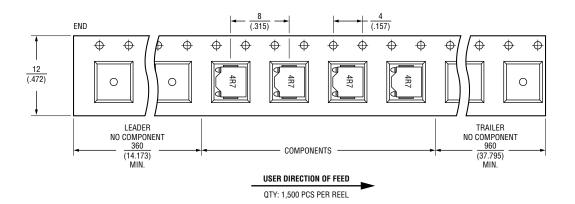
Peak Temperature: 260 °C max. Max. Peak Temperature -5 °C: 30 sec. max. Max. Time Above 217 °C: 60~150 sec. max.



SRP0620 Series - Shielded Power Inductors

Packaging Specifications





DIMENSIONS: $\frac{MINI}{(INCHES)}$

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