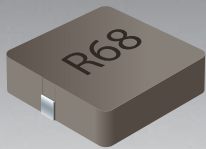


*RoHS COMPLIANT



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Features

- Shielded construction
- Flat wire
- Unit height of 2 mm
- Inductance range: 0.22 to 2.2 μ H
- Rated current up to 10 A
- RoHS compliant*

Applications

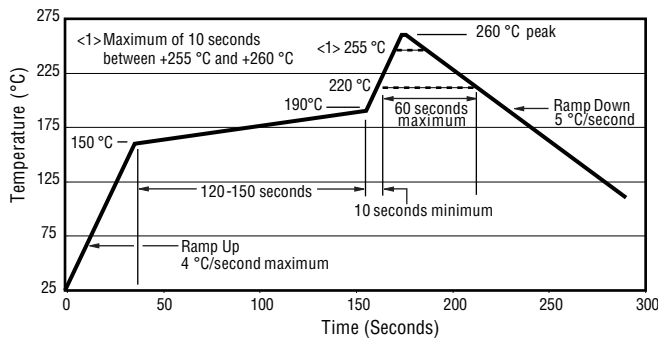
- DC/DC converters
- Power supplies for:
 - Portable communications equipment
 - Laptop computers
 - Camcorders, HDTV, car audio systems
 - Video game consoles

SRP4020 Series - Shielded Power Inductors

Electrical Specifications

Bourns Part No.	Inductance L (μ H) \pm 20 %	I rms (A)	I sat (A)	DCR (m Ω) Max.
SRP4020-R22M	0.22	10	15	9.3
SRP4020-R36M	0.36	9	11	12
SRP4020-R47M	0.47	8	9	14
SRP4020-R56M	0.56	7	8	14.7
SRP4020-R68M	0.68	6.3	7	16.2
SRP4020-R88M	0.88	5.5	6.5	18
SRP4020-1R0M	1.0	5	6	21.6
SRP4020-1R2M	1.2	5	5	22.8
SRP4020-1R5M	1.5	4.5	4.5	30.5
SRP4020-2R2M	2.2	4.5	4	33

Soldering Profile



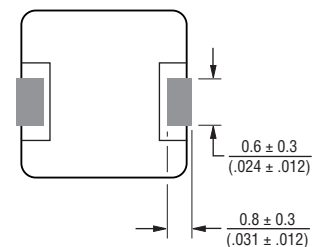
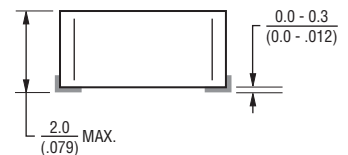
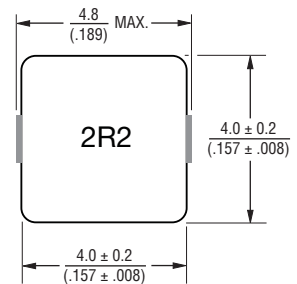
General Specifications

Test Voltage 0.25 V
 Test Frequency 100 KHz
 Reflow Soldering .. 230 °C; 50 sec. max.
 Operating Temperature
 -55 °C to +125 °C
 (Temperature rise included)
 Storage Temperature
 -55 °C to +125 °C
 Resistance to Soldering Heat
 +260 °C for 10 sec.

Materials

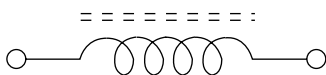
Core Iron
 Wire Enameled copper
 Terminal Cu/Sn
 Rated Current Ind. drops 20 % at Isat
 Temperature Rise 40 °C at rated Irms
 Packaging 2000 pcs. per 13-inch reel

Product Dimensions

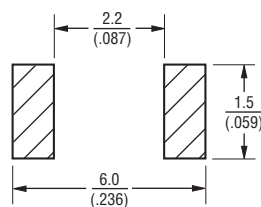


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

Electrical Schematic



Recommended Layout

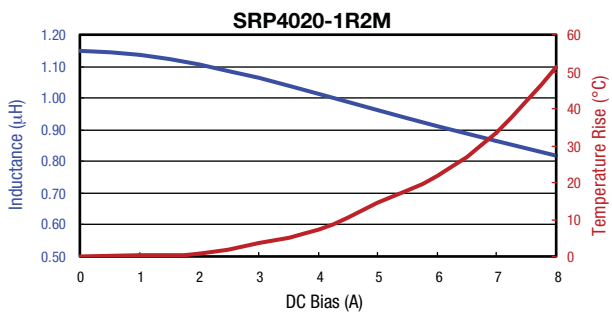
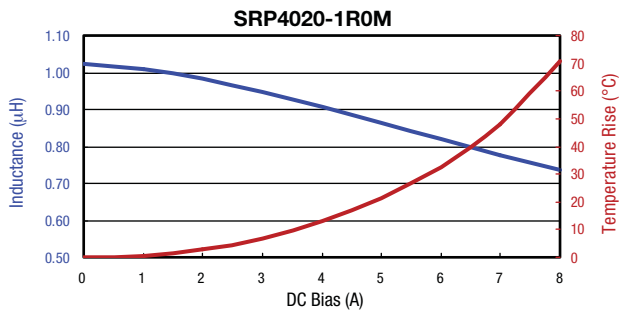
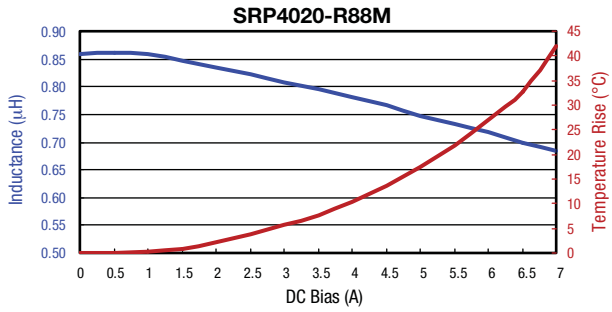
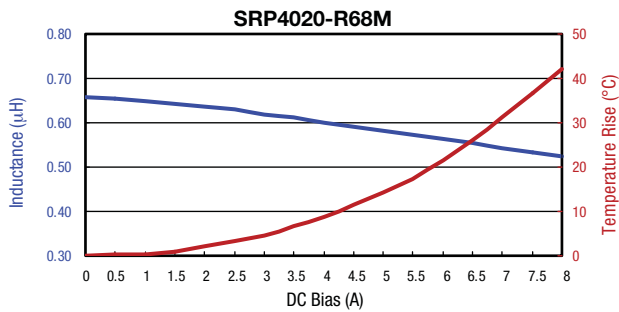
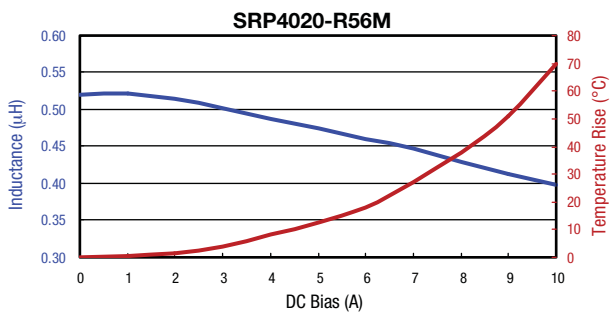
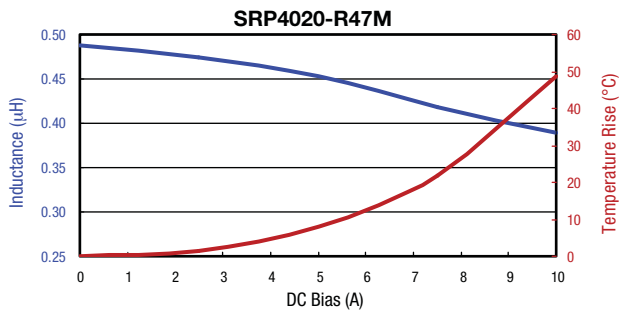
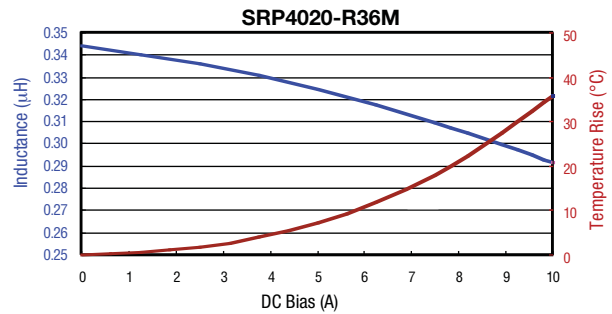
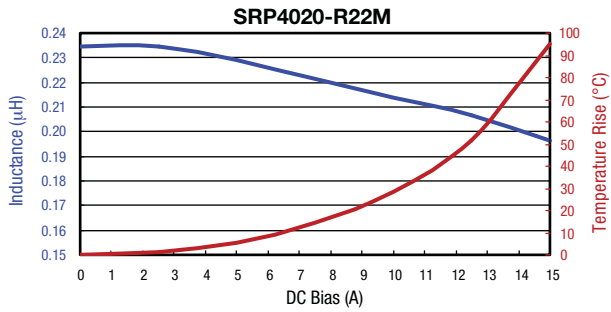


*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

SRP4020 Series - Shielded Power Inductors

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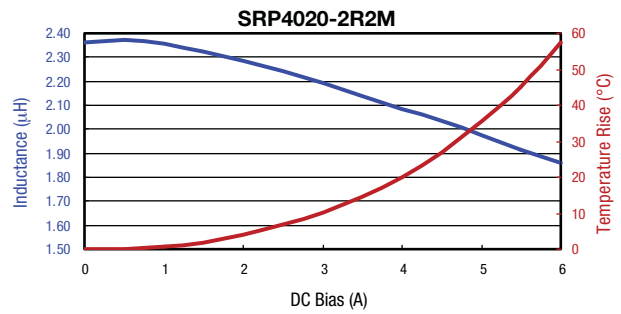
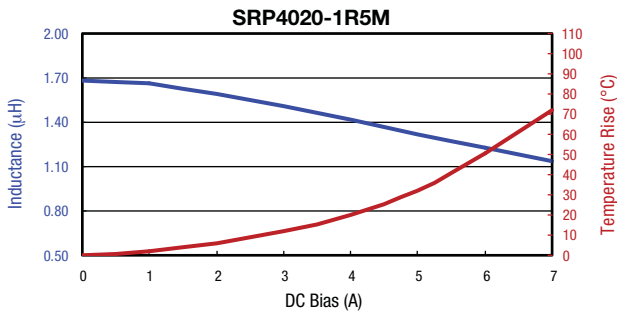
L vs. I Charts



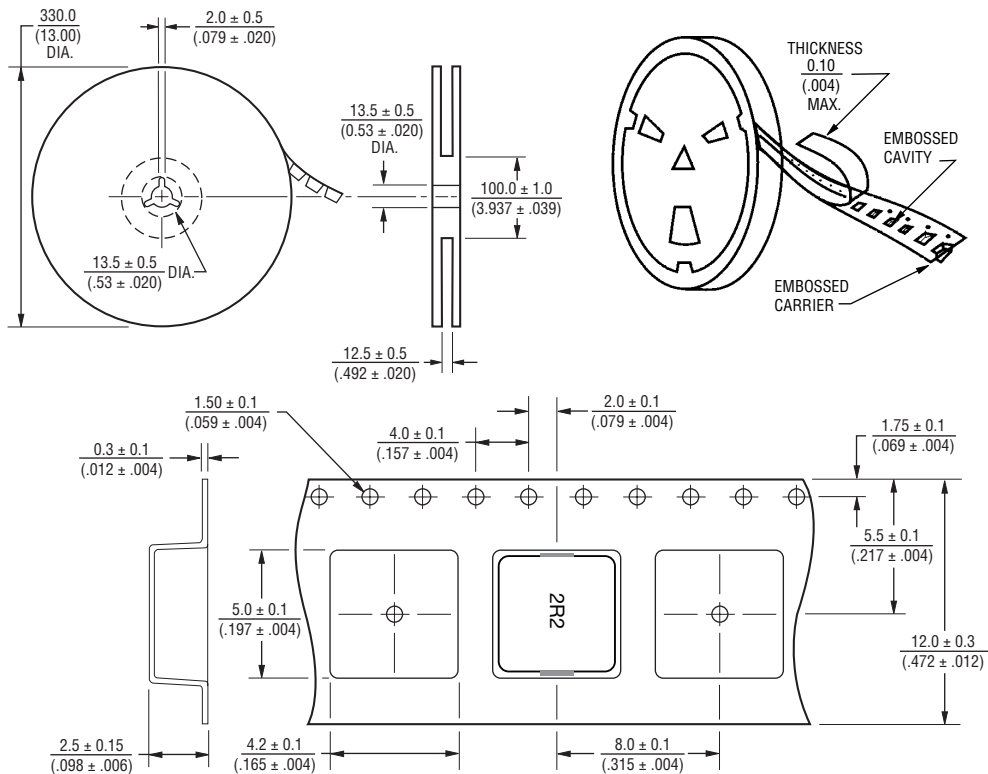
SRP4020 Series - Shielded Power Inductors

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L vs. I Charts



Packaging Specifications



USER DIRECTION OF FEED →

QTY: 2000 PCS. PER REEL

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



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Europe: Tel: +41-41 768 5555 • Fax: +41-41 768 5510
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