

Features

- Shielded construction
- Flat wire
- Unit height of 2 mm
- Inductance range: 0.22 to 5.6 µH
- Rated current up to 10 A
- RoHS compliant*



SRP4020 Series - Shielded Power Inductors

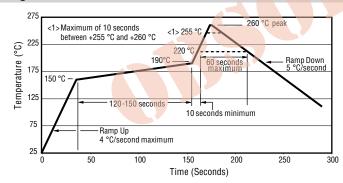
Electrical Specifications

Bourns Part No.	Inductance L (μH) ±20 %	I rms (A)	l sat (A)	DCR (mΩ) Max.
Bourns Fart No.	L (μπ) ±20 /6	(A)	(A)	(IIIS2) IVIAA.
SRP4020-R22M	0.22	11.5	11.5	7
SRP4020-R36M	0.36	9	11	12
SRP4020-R47M	0.47	7	10	12
SRP4020-R56M	0.56	7	8	14.7
SRP4020-R68M	0.68	6.3	7	17
SRP4020-R88M	0.88	6	6.5	18
SRP4020-1R0M	1.0	5	6	21.6
SRP4020-1R2M	1.2	5	5	22
SRP4020-1R5M	1.5	5.1	5	29
SRP4020-2R2M	2.2	3.9	5	40
SRP4020-3R3M	3.3	3.3	4.3	48
SRP4020-4R7M	4.7	2.7	4	75
SRP4020-5R6M	5.6	2.4	3.5	90

General Specifications Test Voltage0.25 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

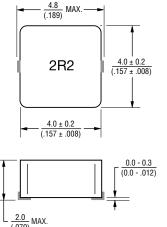
Wire Enameled copper Terminal......Cu/Sn Rated Current..... Ind. drops 20 % at Isat Temperature Rise40 °C at rated Irms Packaging..... 2000 pcs. per 13-inch reel

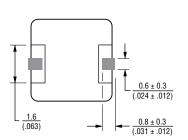
Soldering Profile



Product Dimensions

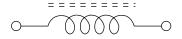
(.079)



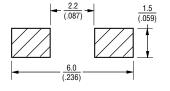


MM **DIMENSIONS:** (INCHES)

Electrical Schematic



Recommended Layout





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

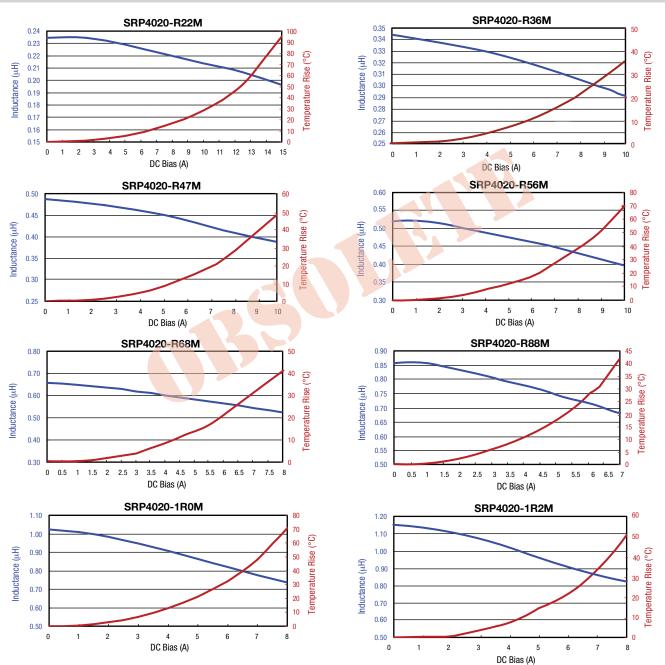
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

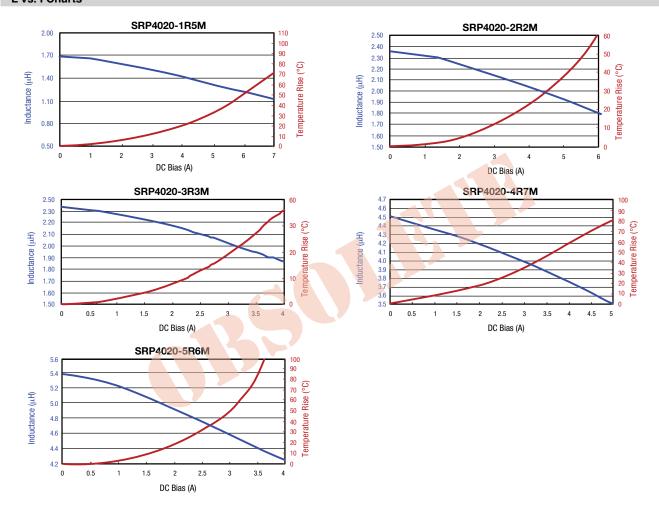
SRP4020 Series - Shielded Power Inductors

BOURNS

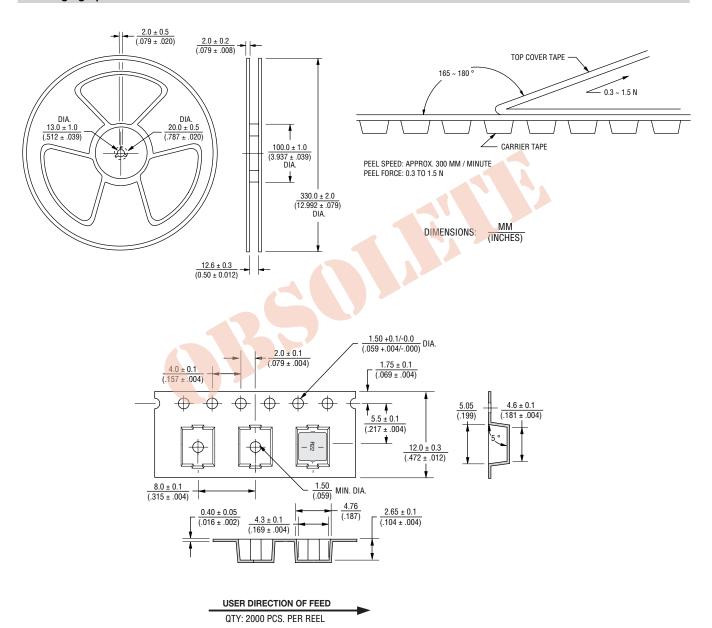




L vs. I Charts



Packaging Specifications



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