

Features

- Shielded construction
- Unit height of 4.2 mm
- Inductance range: 0.15 to 15 µH
- Current up to 34 A
- RoHS compliant*

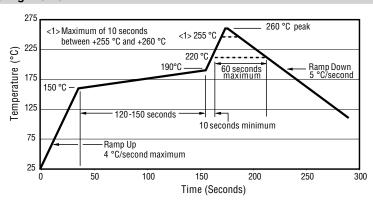


SRP1040 Series - Shielded Power Inductors

Electrical Specifications

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Bourns Part No.	Inductance L (μH) ±20 %	l rms (A)	l sat (A)	DCR (mΩ) Max.
SRP1040-R15M	0.15	34	40	1.3
SRP1040-R20M	0.20	32	40	1.0
SRP1040-R36M	0.36	28	40	1.4
SRP1040-R39M	0.39	24	32	1.4
SRP1040-R47M	0.47	26	38	1.6
SRP1040-R50M	0.50	23	32	1.9
SRP1040-R56M	0.56	25	36	1.9
SRP1040-R68M	0.68	23	32	2.4
SRP1040-R75M	0.75	22	28	2.5
SRP1040-R80M	0.80	21	30	3.0
SRP1040-1R0M	1.0	20	28	3.5
SRP1040-1R2M	1.2	18	24	4.7
SRP1040-1R5M	1.5	15	20	7.5
SRP1040-1R7M	1.7	15	18	7.5
SRP1040-2R2M	2.2	12	17	8.6
SRP1040-2R5M	2.5	11.5	14	8.7
SRP1040-3R3M	3.3	10	14	10
SRP1040-3R9M	3.9	9.0	15	12
SRP1040-4R7M	4.7	8.0	13	14
SRP1040-5R6M	5.6	7.0	12	16
SRP1040-6R8M	6.8	6.5	11	24
SRP1040-8R2M	8.2	5.0	8.0	33
SRP1040-100M	10	5.0	9.0	35
SRP1040-150M	15	5.0	7.0	57

Soldering Profile

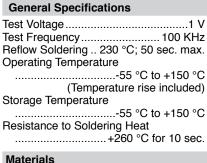


WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

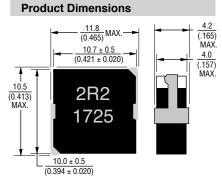
*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

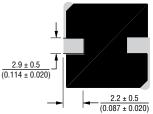
Users should verify actual device performance in their specific applications.

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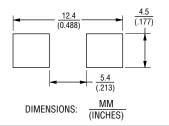


Materials	
Core	Iron
WireE	nameled copper
Terminal	Cu/Sn
Rated CurrentInd. dr	
Temperature Rise40	°C at rated Irms
Packaging 900 pcs.	per 13-inch reel

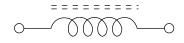




Recommended Layout



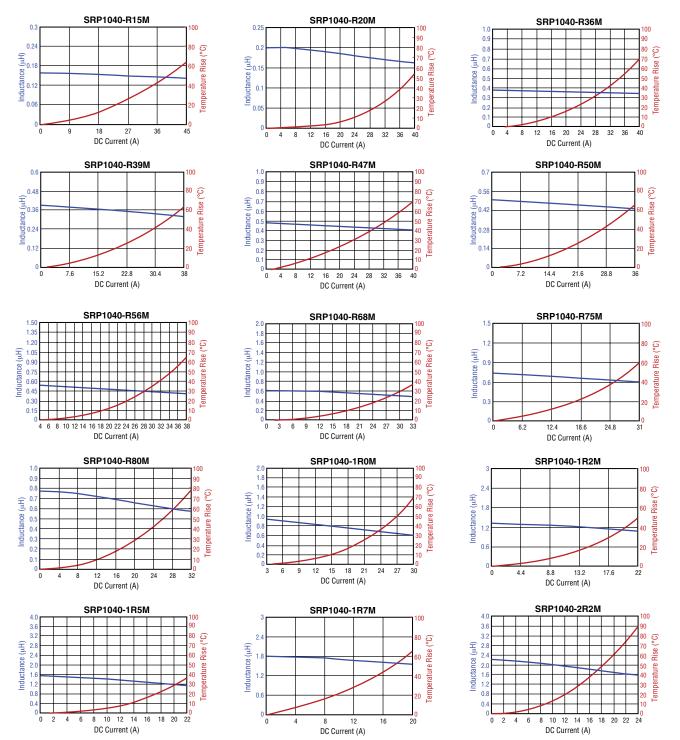
Electrical Schematic



SRP1040 Series - Shielded Power Inductors

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L vs. I Charts



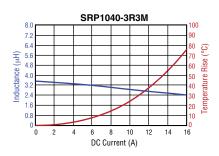
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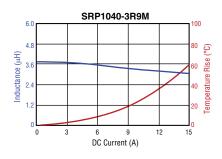
SRP1040 Series - Shielded Power Inductors

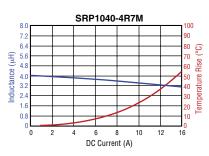
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L vs. I Charts

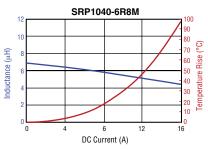


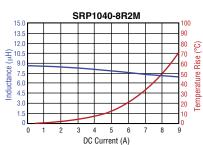


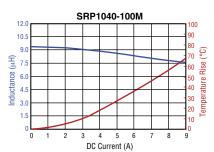


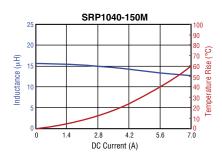




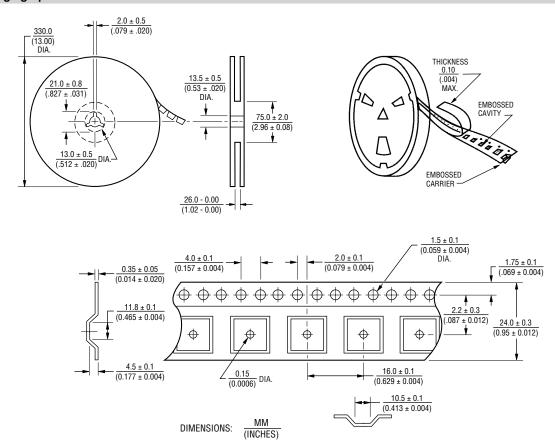








Packaging Specifications



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 SRP1040-2R2M
 SRP1040-3R3M
 SRP1040-4R7M
 SRP1040-5R6M
 SRP1040-100M

 8R2M
 SRP1040-R36M
 SRP1040-R47M
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 SRP1040-150M
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 SRP1040-R50M
 SRP1040-R75M

 SRP1040-3R9M