Features

- Available in E12 series
- Unit height of 3 mm
- Current up to 3 A
- RoHS compliant*

Applications

- Input/output of DC/DC converters
- Power supplies for:
  - Portable communication equipment
  - Camcorders
  - LCD TVs
  - Radios

SRR6603 Series - Shielded Power Inductors

Electrical Specifications

Bourns Part No.	Inductance 100 KHz uH	Inductance 100 KHz Tol. %	Q Ref.	Test Frequency (KHz) Q	SRF Nom. (MHz)	RDC Max. (Ω)	I rms (A)	I sat (A)
SRR6603-1R0ML	1.0	±20	30	200	250	0.040	3.00	1.4
SRR6603-1R5ML	1.5	±20	30	200	125	0.045	2.80	0.93
SRR6603-2R2ML	2.2	±20	40	200	120	0.050	1.80	0.92
SRR6603-3R3ML	3.3	±20	40	200	120	0.055	1.60	0.75
SRR6603-4R7ML	4.7	±20	40	200	105	0.060	1.40	0.58
SRR6603-6R8ML	6.8	±20	40	200	50	0.065	1.20	0.58
SRR6603-100ML	10.0	±20	40	200	38	0.075	1.00	0.37
SRR6603-150ML	15.0	±20	40	100	33	0.090	0.80	0.31
SRR6603-220ML	22.0	±20	40	100	25	0.110	0.70	0.30
SRR6603-330ML	33.0	±20	40	100	20	0.190	0.60	0.24
SRR6603-470ML	47.0	±20	40	100	20	0.230	0.50	0.24
SRR6603-680ML	68.0	±20	40	100	15	0.290	0.40	0.17
SRR6603-101ML	100.0	±20	40	100	10	0.480	0.30	0.13
SRR6603-151ML	150.0	±20	40	100	9	0.590	0.26	0.10
SRR6603-221ML	220.0	±20	40	100	6	0.770	0.22	0.10
SRR6603-331ML	330.0	±20	40	100	5	1.400	0.20	0.07
SRR6603-471ML	470.0	±20	40	100	4	1.800	0.19	0.06
SRR6603-681ML	680.0	±20	40	100	3	2.200	0.18	0.055
SRR6603-102ML	1000.0	±20	40	100	2	3.400	0.15	0.045
SRR6603-152ML	1500.0	±20	50	100	2	4.200	0.12	0.035
SRR6603-222ML	2200.0	±20	50	100	2	8.500	0.10	0.028
SRR6603-332ML	3300.0	±20	50	100	1	11.00	00.08	0.024
SRR6603-472ML	4700.0	±20	50	100	1	13.90	00.06	0.021
SRR6603-682ML	6800.0	±20	50	100	1	25.00	00.04	0.019
SRR6603-103ML	10000.0	±20	50	100	0.8	32.80	00.02	0.017

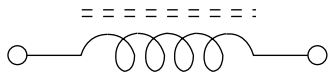
General Specifications

Test Voltage.....0.1 V
Reflow Soldering .. 250 °C, 10 sec. max.
(In compliance with JEDEC, J-STD-020C, Table 4-2)
Operating Temperature
.....-55 °C to +125 °C
(Temperature rise included)
Storage Temperature
.....-55 °C to +125 °C
Resistance to Soldering Heat
..... 250 °C, 10 sec. max.
Moisture Sensitivity Level.....1
ESD Classification (HBM)..... N/A

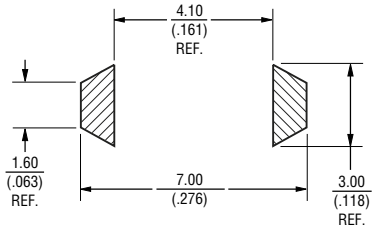
Materials

Core..... Ferrite DR & RI
Wire .....Enameled copper
Base .....Ceramic
Terminal.....Ag/Ni/Au
Rated Current
.....Ind. drop of 30 % typ. at Isat
Temperature Rise
.....30 °C max. at rated Irms
Packaging..... 600 pcs. per reel

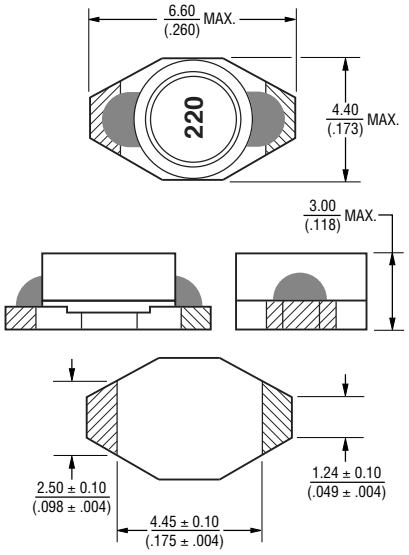
Schematic



Recommended Layout



Product Dimensions



DIMENSIONS: MM (INCHES)

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.
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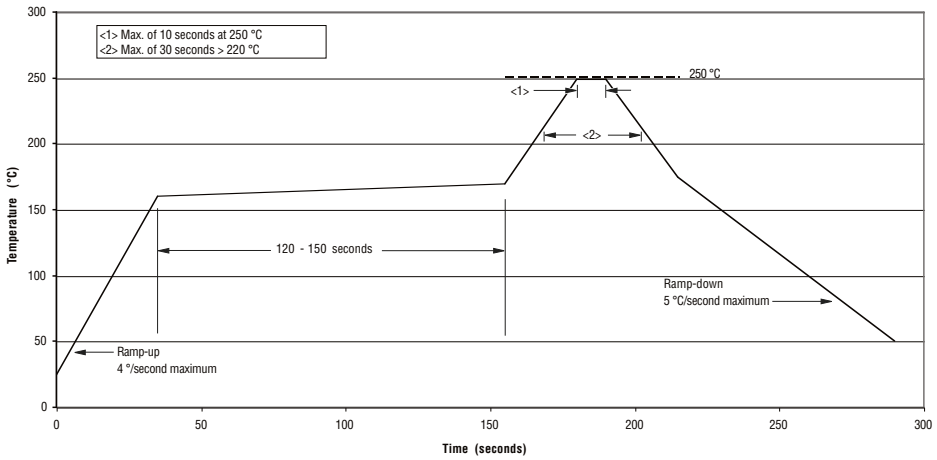
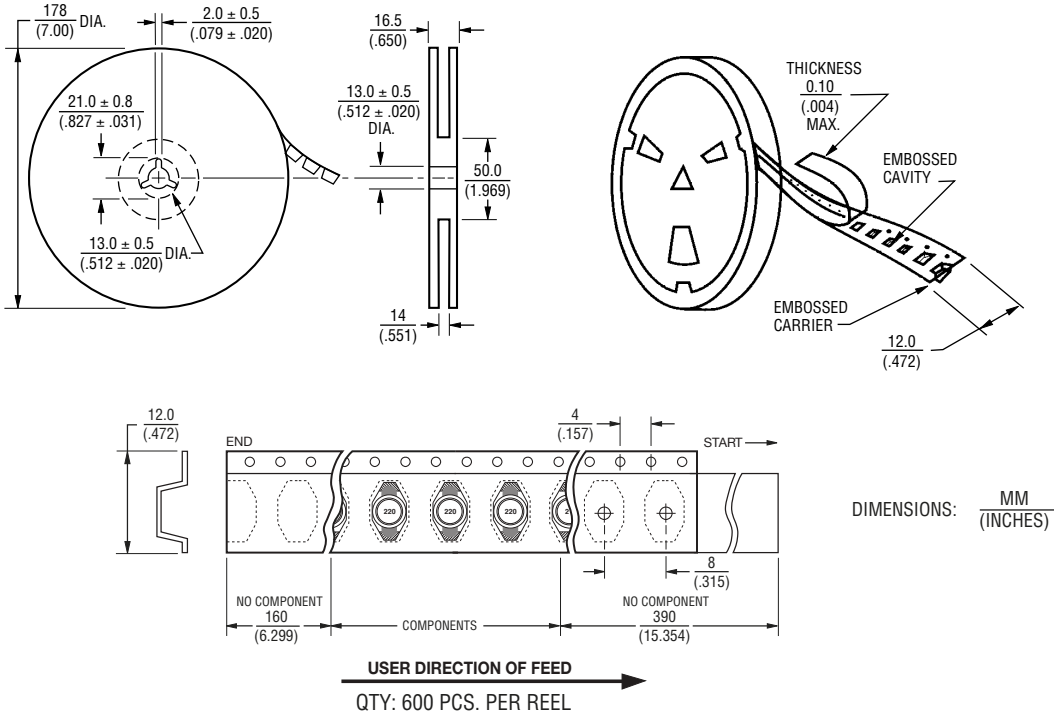
Soldering Profile



Packaging Specifications



REV. 11/18

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PDF: http://www.bourns.com/docs/Legal/disclaimer.pdf

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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