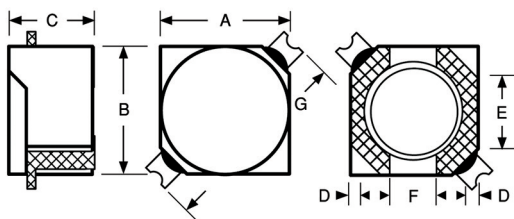


SERIES**SPD42R**RoHS
Compliant**Shielded Surface Mount Inductors**

Actual Size

**Mechanical Configuration**

Magnetically shielded surface mount power inductor ferrite core & shield.

Physical Parameters

	Inches	Millimeters
A	0.185 ± 0.012	4.7 ± 0.3
B	0.185 ± 0.012	4.7 ± 0.3
C	0.115 Max.	2.92 Max.
D	0.015 Ref.	0.38 Ref.
E	0.100 Ref.	2.54 Ref.
F	0.065 Ref.	1.65 Ref.
G	0.270 Ref.	6.86 Ref.
H	0.075 Ref.	1.90 Ref.
I	0.210 Ref.	5.30 Ref.
J	0.059 Ref.	1.50 Ref.

Operating Temperature Range -55°C to +125°C

Current Rating at 25°C Ambient 40°C maximum temperature rise and 10% maximum decrease in inductance

Application Frequency Range

18 Inductance values from 1.2 µH to 100 µH

Core Material Ferrite

Weight (Grams Max.) 0.85

Packaging Tape & reel (12mm):

7" reel, 500 pieces max.

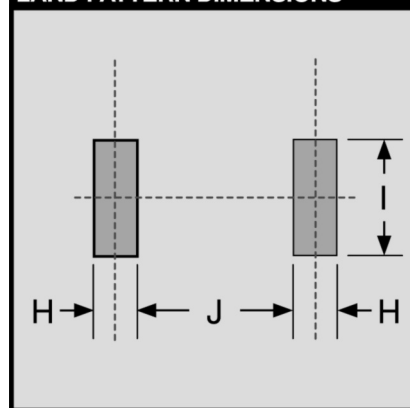
Note: No vias and traces in restricted area.

INDUCTANCE (µH) ±20%
TEST FREQUENCY (kHz)
DC RESISTANCE
MAXIMUM (OHMS)
CURRENT RATING
MAXIMUM (Amps)
SRF TYPICAL (MHz)

SERIES SPD42R					
-122M	1.2	100	0.019	1.80	120
-222M	2.2	100	0.023	1.35	77
-332M	3.3	100	0.032	1.10	65
-472M	4.7	100	0.045	0.90	55
-682M	6.8	100	0.060	0.73	45
-103M	10	100	0.083	0.58	37
-123M	12	1.0	0.100	0.53	34
-153M	15	1.0	0.115	0.46	30
-183M	18	1.0	0.150	0.42	28
-223M	22	1.0	0.160	0.38	25
-273M	27	1.0	0.190	0.35	21
-333M	33	1.0	0.215	0.32	18
-393M	39	1.0	0.290	0.30	17
-473M	47	1.0	0.320	0.28	16
-563M	56	1.0	0.365	0.25	15
-683M	68	1.0	0.480	0.22	14
-823M	82	1.0	0.520	0.20	12
-104M	100	1.0	0.700	0.12	11

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com

LAND PATTERN DIMENSIONS

Mouser Electronics

Authorized Distributor

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API Delevan:

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[SPD42R-153M](#) [SPD42R-183M](#) [SPD42R-223M](#) [SPD42R-273M](#) [SPD42R-333M](#) [SPD42R-393M](#) [SPD42R-473M](#)
[SPD42R-563M](#) [SPD42R-683M](#) [SPD42R-823M](#) [SPD42R-104M](#)