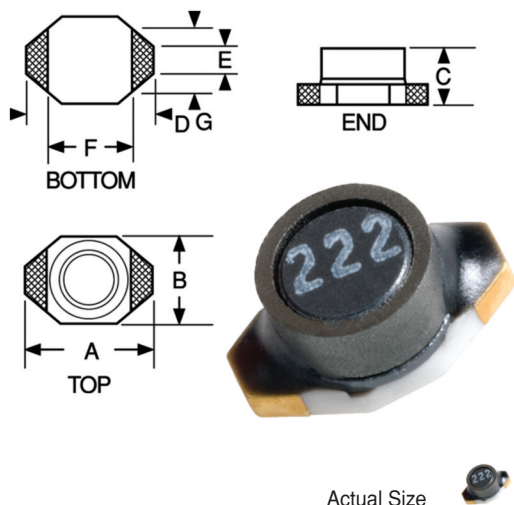


SERIES**SDS680R**RoHS
Compliant**Surface Mount Shielded Power Choke****Physical Parameters**

	Inches	Millimeters
A	0.260 Max.	6.60 Max.
B	0.175 Max.	4.45 Max.
C	0.115 Max.	2.92 Max.
D	0.040 ± 0.010	1.02 ± 0.25
E	0.050 Max.	1.27 Max.
F	0.170 ± 0.015	4.32 ± 0.38
G	0.120 Ref.	3.05 Ref.
H	0.055 Ref.	1.40 Ref.
I	0.140 Ref.	3.56 Ref.
J	0.160 Ref.	4.06 Ref.

Current rating at 25°C Ambient

40°C Max. Rise

Operating Temperature Range

-40°C to +85°C

Weight Maximum

0.20 grams

Marking For values lower than 10 μH the R indicates a decimal point and the remaining digits indicate the inductance in μH . For values 10 μH and above, the first two digits indicate the inductance in μH and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SDS680R-102M (1.0 μH)

1R0

Example: SDS680R-106M (10,000 μH)

103

Packaging

Tape & Reel (16mm): 13" reel
2000 pieces max.

DASH NUMBER*

INDUCTANCE (μH)
C 100 KHz

TOLERANCE

SRF (MHz)

DC RESISTANCE
MAXIMUM (OHMS)CURRENT RATING
MAXIMUM (mA)**SERIES SDS680 FERRITE CORE & SLEEVE**

-102M	1.0	$\pm 20\%$	250	0.040	3000
-152M	1.5	$\pm 20\%$	125	0.045	2800
-222M	2.2	$\pm 20\%$	120	0.050	1800
-332M	3.3	$\pm 20\%$	120	0.055	1600
-472M	4.7	$\pm 20\%$	105	0.060	1400
-682M	6.8	$\pm 20\%$	50	0.065	1200
-822M	8.2	$\pm 20\%$	42	0.070	1100
-103M	10	$\pm 20\%$	38	0.075	1000
-153M	15	$\pm 20\%$	33	0.090	800
-223M	22	$\pm 20\%$	25	0.110	700
-333M	33	$\pm 20\%$	20	0.190	600
-473M	47	$\pm 20\%$	20	0.230	500
-683M	68	$\pm 20\%$	15	0.290	400
-104M	100	$\pm 20\%$	10	0.480	300
-154M	150	$\pm 20\%$	9	0.590	260
-224M	220	$\pm 20\%$	6	0.770	220
-334M	330	$\pm 20\%$	5	1.40	200
-474M	470	$\pm 20\%$	4	1.80	190
-684M	680	$\pm 20\%$	3	2.20	180
-105M	1000	$\pm 20\%$	2	3.40	150
-155M	1500	$\pm 20\%$	2	4.20	120
-225M	2200	$\pm 20\%$	2	8.50	100
-335M	3300	$\pm 20\%$	1	11.0	80
-475M	4700	$\pm 20\%$	1	25.0	60
-685M	6800	$\pm 20\%$	1	25.0	40
-106M	10000	$\pm 20\%$	0.8	32.8	20

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

LAND PATTERN DIMENSIONS