



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



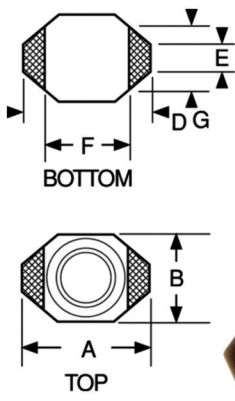
# SERIES

## SDS680R



### Surface Mount Shielded Power Choke

DASH NUMBER\*  
 INDUCTANCE (μH)  
 C-100 KHZ  
 TOLERANCE  
 SRF (MHz) REF. ONLY  
 DC RESISTANCE  
 MAXIMUM (OHMS)  
 CURRENT RATING  
 MAXIMUM (mA)



Actual Size

#### 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.

SERIES SDS680 FERRITE CORE & SLEEVE					
-102M	1.0	±20%	250	0.040	3000
-152M	1.5	±20%	125	0.045	2800
-222M	2.2	±20%	120	0.050	1800
-332M	3.3	±20%	120	0.055	1600
-472M	4.7	±20%	105	0.060	1400
-682M	6.8	±20%	50	0.065	1200
-103M	10	±20%	38	0.075	1000
-153M	15	±20%	33	0.090	800
-223M	22	±20%	25	0.110	700
-333M	33	±20%	20	0.190	600
-473M	47	±20%	20	0.230	500
-683M	68	±20%	15	0.290	400
-104M	100	±20%	10	0.480	300
-154M	150	±20%	9	0.590	260
-224M	220	±20%	6	0.770	220
-334M	330	±20%	5	1.40	200
-474M	470	±20%	4	1.80	190
-684M	680	±20%	3	2.20	180
-105M	1000	±20%	2	3.40	150
-155M	1500	±20%	2	4.20	120
-225M	2200	±20%	2	8.50	100
-335M	3300	±20%	1	11.0	80
-475M	4700	±20%	1	13.9	60
-685M	6800	±20%	1	25.0	40
-106M	10000	±20%	0.8	32.8	20

\*Complete part # must include series # PLUS the dash #  
 For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)

