

SMD SHIELDED POWER INDUCTORS

COMPONENT

PRODUCT IDENTIFICATION



SGSN 1608C - 1R0 N

A B C D

A : SMD POWER CHOKE WITH SHIELD

B : DIMENSION CODE

C : INDUCTANCE CODE

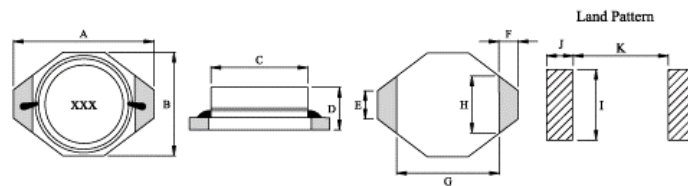
D : TOLERANCE (K:10%,L:15%,M20%,N:30%)

APPLICATIONS

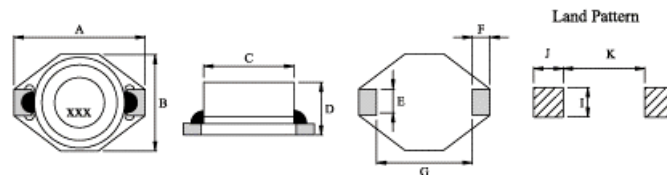
Notebook, DC/DC converter, Communication products.

SHAPES & DIMENSIONS

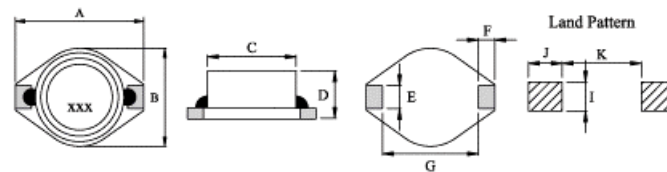
SGSN1608C



SGSN3316C



SGSN5022C



TYPE	A (Max)	B (Max)	C ±0.3	D (Max)	E ±0.3	F ±0.3	G (Max)	H	I	J	K
SGSN1608C	6.60	4.45	4.00	2.92	1.27	1.02	4.32	2.50	3.56	1.40	4.06
SGSN3316C	12.95	9.40	8.38	5.08	2.54	2.54	7.62	-	2.79	2.92	7.37
SGSN5022C	18.54	15.24	12.70	7.62	2.54	2.54	12.70	-	2.79	2.92	12.45

※ Design as Customer's Requested Specifications.

SMD SHIELDED POWER INDUCTORS

COMPONENT

ELECTRICAL CHARACTERISTICS

SGSN 1608C / 5022C / 3316C SERIES

Inductance		1608C			5022C			3316C		
Code	(uH)	Test Freq. (Hz)	RDC (Ω) Max.	IDC (A) Max.	Test Freq. (Hz)	RDC (Ω) Max.	IDC (A) Max.	Test Freq. (Hz)	RDC (Ω) Max.	IDC (A) Max.
1R0N	1.00	100K	0.040	3.00	-	-	-	100K	0.021	5.60
1R5M	1.50	100K	0.045	2.80	-	-	-	100K	0.022	5.20
2R2M	2.20	100K	0.050	1.80	-	-	-	100K	0.032	5.00
3R3M	3.30	100K	0.055	1.60	-	-	-	100K	0.039	3.90
4R7M	4.70	100K	0.060	1.40	-	-	-	100K	0.054	3.20
6R8M	6.00	100K	0.065	1.20	-	-	-	100K	0.075	2.80
100M	10.00	100K	0.075	1.00	100K	0.040	8.00	100K	0.101	2.40
150M	15.00	100K	0.090	0.80	100K	0.048	7.00	100K	0.150	2.00
220M	22.00	100K	0.110	0.70	100K	0.059	6.00	100K	0.207	1.60
330M	33.00	100K	0.190	0.60	100K	0.075	5.00	100K	0.334	1.40
470M	47.00	100K	0.230	0.50	100K	0.097	4.00	100K	0.472	1.00
680M	68.00	100K	0.290	0.40	100K	0.138	3.00	-	-	-
101M	100.00	100K	0.480	0.30	100K	0.207	2.40	-	-	-
151M	150.00	100K	0.590	0.26	100K	0.293	2.10	-	-	-
221M	220.00	100K	0.770	0.22	100K	0.470	1.90	-	-	-
331M	330.00	100K	1.400	0.20	100K	0.780	1.10	-	-	-
471M	470.00	100K	1.800	0.19	100K	1.080	1.10	-	-	-
681M	680.00	100K	2.200	0.18	100K	1.400	0.96	-	-	-
102M	1000.00	100K	3.400	0.15	100K	2.010	0.80	-	-	-
152M	1500.00	100K	4.200	0.12	-	-	-	-	-	-
222M	2200.00	100K	8.500	0.10	-	-	-	-	-	-
332M	3300.00	100K	11.000	0.08	-	-	-	-	-	-
472M	4700.00	100K	13.900	0.06	-	-	-	-	-	-
682M	6800.00	100K	25.000	0.04	-	-	-	-	-	-
103M	10000.00	100K	32.800	0.02	-	-	-	-	-	-

※ Test Freq. : 100KHz / 0.1V.

※ Current(Max)....30°C temperature rise.

※ Operating Temp. : -40°C ~ +85°C