

SMD UNSHIELDED POWER INDUCTORS

COMPONENT

PRODUCT IDENTIFICATION



SGHN 1813 - 2R2 M

A B C D

A : SMD POWER CHOKE FOR HIGH CURRENT

B : DIMENSION CODE

C : INDUCTANCE CODE

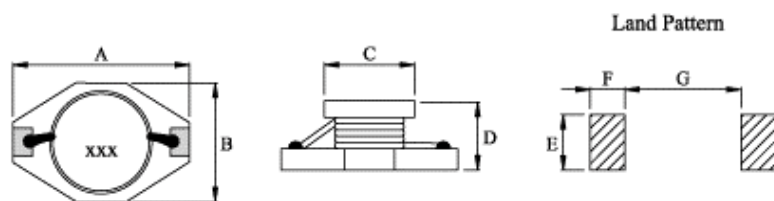
D : TOLERANCE(K:10%,L:15%,M:20%,N:30%)

APPLICATIONS

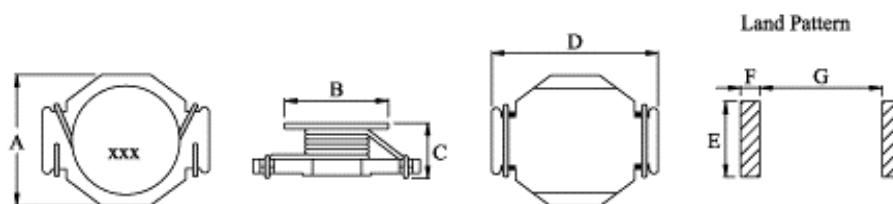
Notebook, VGA card, DC/DC converter, PDA

SHAPES & DIMENSIONS

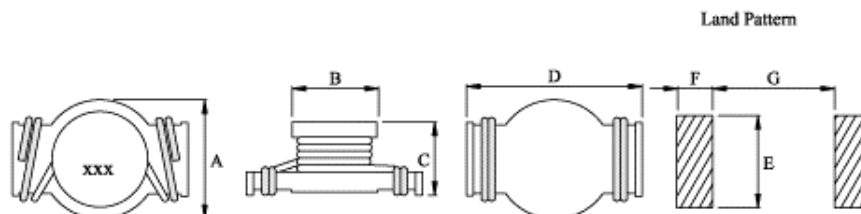
SGHN1813



SGHN3316



SGHN5022



Type	A (Max)	B (Max)	C ±0.2	D (Max)	E	F	G
SGHN1813	8.89	6.10	4.80	5.00	4.06	1.91	5.80
SGHN 3316	9.91	8.38	6.35	13.21	4.06	1.52	8.64
SGHN 5022	16.26	12.70	8.00	22.35	8.64	3.18	14.35

※ Design as Customer's Requested Specifications.

SMD UNSHIELDED POWER INDUCTORS

COMPONENT

ELECTRICAL CHARACTERISTICS

SGHN 1813 / 3316 / 5022 SERIES

Inductance		1813			3316			5022		
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.
R33N	0.33	-	-	-	100K	0.002	20.00	-	-	-
R56N	0.56	100K	0.010	7.70	-	-	-	-	-	-
R68N	0.68				100K	0.005	13.00	-	-	-
R78N	0.78	-	-	-	-	-	-	100K	0.0026	30.00
1R0N	1.00	-	-	-	100K	0.006	11.00	-	-	-
1R2M	1.20	100K	0.017	5.30	-	-	-	-	-	-
1R5M	1.50	-	-	-	100K	0.008	9.00	100K	0.0040	25.00
2R2M	2.20	100K	0.035	3.50	100K	0.011	7.80	100K	0.0061	20.00
2R7M	2.70	-	-	-	100K	0.012	7.00	-	-	-
3R3M	3.30	-	-	-	100K	0.014	6.40	100K	0.0086	17.00
3R9M	3.90				-	-	-		0.010	15.00
4R7M	4.70	100K	0.054	2.60	100K	0.018	5.40	100K	0.014	13.00
6R0M	6.00	-	-	-	-	-	-	100K	0.017	12.00
7R8M	7.80	-	-	-	-	-	-	100K	0.018	11.00
100M	10.00	100K	0.111	1.90	-	-	-	100K	0.026	10.00
150M	15.00	100K	0.170	1.50	-	-	-	100K	0.032	8.00
220M	22.00	100K	0.250	1.20	-	-	-	-	-	-
330M	33.00	100K	0.350	0.99	-	-	-	-	-	-
470M	47.00	100K	0.470	0.87	-	-	-	-	-	-

※ Test Freq. : 100KHz/0.1V

※ Operating Temp. : - 40°C ~ +85°C

※ Inductance drop = 10%typ. at IDC.