

SHIELDED SMD POWER INDUCTORS / SDS TYPE

FEATURES

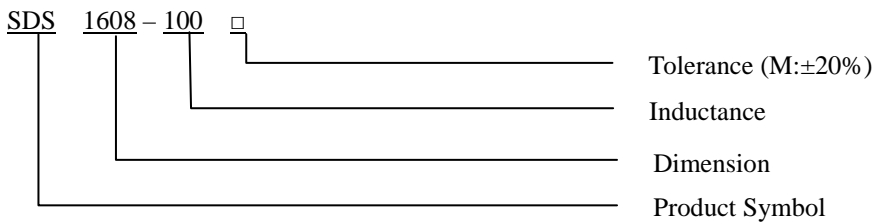
- ◆ With magnetic shield against radiation
- ◆ SDS 1608 used ceramic base with gold-plating
- ◆ Other used LCP plastic base



APPLICATIONS

- ◆ Portable telephones.
- ◆ Personal computers.
- ◆ DC/DC converters, etc.
- ◆ Other various electronic appliances.

ORDERING CODE



SHAPES

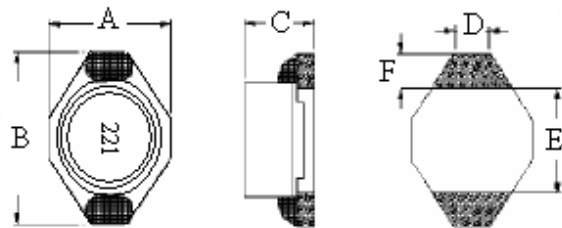


Fig.1

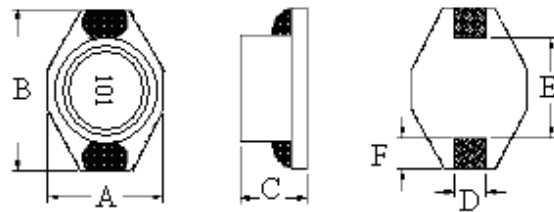


Fig.2

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A(Max)	B(Max)	C(Max)	D(Ref)	E(Ref)	F(Ref)
SDS 1608	1	4.45	6.50	2.92	1.27	4.32	1.02
SDS 3316	2	9.40	12.95	5.21	2.54	7.62	2.54
SDS 5022	2	15.24	18.54	7.11	2.54	12.7	2.54

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ELECTRICAL CHARACTERISTICS FOR SDS1608

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDS1608-1R0 □	1.0	0.040	1.80
SDS1608-1R5 □	1.5	0.045	1.70
SDS1608-2R2 □	2.2	0.050	1.20
SDS1608-3R3 □	3.3	0.055	0.90
SDS1608-4R7 □	4.7	0.060	0.70
SDS1608-6R8 □	6.8	0.070	0.60
SDS1608-100 □	10	0.075	0.45
SDS1608-150 □	15	0.090	0.40
SDS1608-220 □	22	0.120	0.38
SDS1608-270 □	27	0.170	0.30
SDS1608-330 □	33	0.190	0.20
SDS1608-470 □	47	0.230	0.18
SDS1608-680 □	68	0.350	0.16
SDS1608-101 □	100	0.430	0.15
SDS1608-151 □	150	0.590	0.13
SDS1608-221 □	220	1.200	0.11
SDS1608-331 □	330	1.400	0.10
SDS1608-391 □	390	2.000	0.09
SDS1608-471 □	470	2.500	0.08

ELECTRICAL CHARACTERISTICS FOR SDS3316

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDS3316-1R0 □	1.0	0.021	16.00
SDS3316-2R2 □	2.2	0.030	10.50
SDS3316-100 □	10	0.145	5.00
SDS3316-220 □	22	0.200	3.40
SDS3316-330 □	33	0.400	2.60
SDS3316-101 □	100	1.110	1.45
SDS3316-151 □	150	1.550	1.25
SDS3316-221 □	220	2.000	1.00
SDS3316-681 □	680	5.010	0.23

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ELECTRICAL CHARACTERISTICS FOR SDS5022

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDS5022-4R7 □	4.7	0.025	12.00
SDS5022-8R2 □	8.2	0.035	9.60
SDS5022-100 □	10	0.040	8.30
SDS5022-150 □	15	0.048	7.50
SDS5022-220 □	22	0.070	5.80
SDS5022-330 □	33	0.085	5.00
SDS5022-470 □	47	0.100	4.00
SDS5022-680 □	68	0.180	3.50
SDS5022-101 □	100	0.200	3.00
SDS5022-151 □	150	0.293	2.00
SDS5022-221 □	220	0.470	1.90
SDS5022-331 □	330	0.780	1.50
SDS5022-471 □	470	1.200	1.30
SDS5022-102 □	1000	1.900	0.87

* 100uH 以上 Test Frequency : 1KHZ/1V

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