SMD Shielded Power Inductors

Application Field

Notebook, DC/DC converter, VGA card, Video recorders.

Features

- Magnetically shielded construction
- Compact and thin
- Large Current and Low DCR (MDA1807 Series)

Dimensions and footprint (Unit：mm)

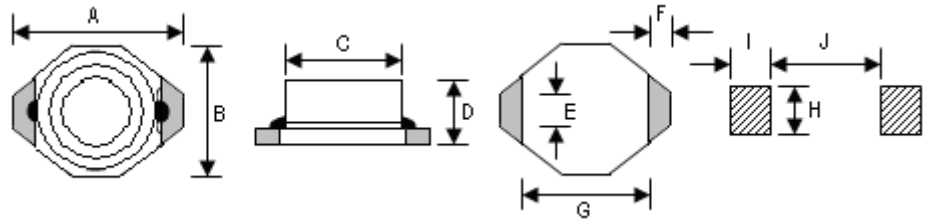

Fig-1
Ceramic

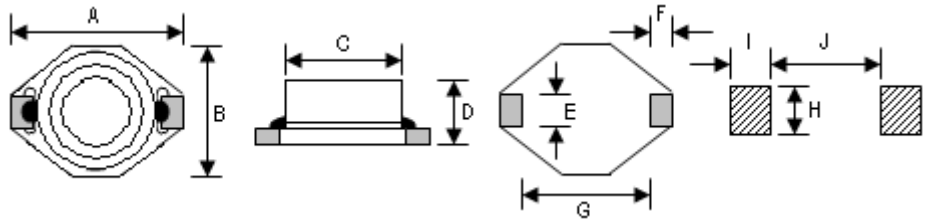

Fig-2
Plastic

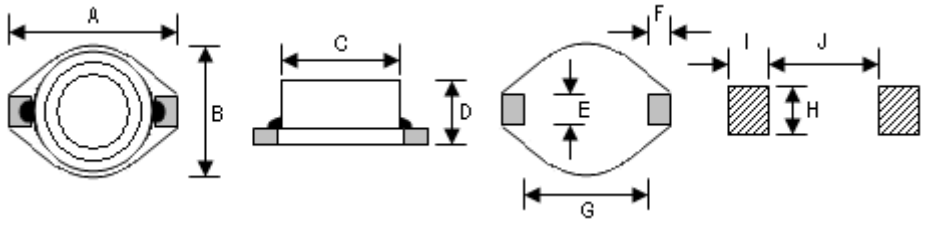

Fig-3
Plastic

Unit : mm

Size	A	B	C	D	E	F	G	H	I	J	Fig
MDA-0603	6.60 max	4.45 max	4.90±0.3	2.92 max	1.27	0.76	4.32	3.05	1.15	4.47	1
MDA-1305	13.50 max	9.50 max	8.38±0.5	5.50 max	2.54	2.54	7.80	2.80	3.00	7.37	2
MDA-1807	18.50 max	15.50 max	13.50±0.5	7.50 max	2.54	2.54	13.50	2.80	3.00	12.50	3

Part Number Code

MDA	-	0603	-	100	M
1		2		3	4

1、Product Code

2、Dimensions Code

3、Inductance = Decimal Point

4、Tolerance：M = ±20%

Specification

Part No.	Inductance (μH)	Freq. (Hz)	DCR(Ω) max	IDC(A) max
MDA-0603-1R0	1.0	100KHz	0.040	1.000
MDA-0603-1R5	1.5	100KHz	0.045	0.900
MDA-0603-2R2	2.2	100KHz	0.050	0.700
MDA-0603-3R3	3.3	100KHz	0.055	0.600
MDA-0603-4R7	4.7	100KHz	0.063	0.400
MDA-0603-6R8	6.8	100KHz	0.065	0.180
MDA-0603-100	10	100KHz	0.075	0.150
MDA-0603-150	15	100KHz	0.090	0.140
MDA-0603-220	22	100KHz	0.110	0.135
MDA-0603-330	33	100KHz	0.190	0.130
MDA-0603-470	47	100KHz	0.230	0.120
MDA-0603-101	100	100KHz	0.480	0.110
MDA-0603-151	150	100KHz	0.700	0.100
MDA-0603-221	220	100KHz	0.800	0.090
MDA-0603-331	330	100KHz	0.900	0.080

Part No.	Inductance (μH)	Freq. (Hz)	DCR(Ω) max	IDC(A) max
MDA-1305-1R0	1.0	100KHz	0.021	5.600
MDA-1305-1R5	1.5	100KHz	0.022	5.200
MDA-1305-2R2	2.2	100KHz	0.032	5.000
MDA-1305-3R3	3.3	100KHz	0.039	3.900
MDA-1305-4R7	4.7	100KHz	0.054	3.200
MDA-1305-6R8	6.8	100KHz	0.075	2.800
MDA-1305-100	10	100KHz	0.101	2.400
MDA-1305-150	15	100KHz	0.150	2.000
MDA-1305-220	22	100KHz	0.207	1.600
MDA-1305-330	33	100KHz	0.334	1.400
MDA-1305-470	47	100KHz	0.472	1.000

Part No.	Inductance (μH)	Freq. (Hz)	DCR(Ω) max	IDC(A) max
MDA-1807-101	10	100KHz	0.040	8.000
MDA-1807-151	15	100KHz	0.048	7.000
MDA-1807-221	22	100KHz	0.059	6.000
MDA-1807-331	33	100KHz	0.075	5.000
MDA-1807-471	47	100KHz	0.097	4.000
MDA-1807-681	68	100KHz	0.138	3.000
MDA-1807-101	100	100KHz	0.207	2.400
MDA-1807-151	150	100KHz	0.293	2.100
MDA-1807-221	220	100KHz	0.470	1.900