













1. Metal Molding High Current SMD Power Inductor

	PART NO	DEMINSION(mm)	Inductance Range	Rated DC Current	Page
	MMI 06518 SERIES	6.5 × 7.1 × 1.8	1.0uH ~ 4.7uH	9.8A ~ 5.0A	5
	MMI 06524 SERIES	6.5 × 7.1 × 2.4	0.47uH ~ 10uH	20A ~ 5A	8
	MMI 06530 SERIES	6.5 × 7.1 × 3.0	0.33uH ~ 15uH	27.2A ~ 4.5A	12
	MMI 06540 SERIES	6.5 × 7.1 × 4.0	0.68uH ~ 47uH	26A ~ 2.5A	17
	MMI 10040 SERIES	10.0 × 10.7 × 4.0	0.33uH ~ 10uH	58A ~ 9.8A	22
	MMI 12735 SERIES	12.7 × 13.2 × 3.5	0.33uH ~ 15uH	58A ~ 9.8A	27
	MMI 12750 SERIES	12.7 × 13.2 × 5.0	0.33uH ~ 47uH	70A ~ 6.7A	32






2. SMD POWER INDUCTOR (SHIELD TYPE WITH FERRITE)

	PART NO	DEMINSION(mm)	Inductance Range	Rated DC Current	Page
	HPCRHF 2D09	3.2 × 3.2 × 1.0	1.2uH ~ 10uH	1.24A ~ 0.42A	38
	HPCRHF 2D11	3.2 × 3.2 × 1.2	1.5uH ~ 10uH	1.48A ~ 0.65A	38
	HPCRHF 2D14	3.2 × 3.2 × 1.6	1.5uH ~ 12uH	2.0A ~ 0.64A	38
	HPCRHF 2D18	3.2 × 3.2 × 2.0	2.2uH ~ 47uH	2.3A ~ 0.48A	38
	HPCRHF 3D14	4.0 × 4.0 × 1.6	1.2uH ~ 22uH	2.2A ~ 0.43A	39
	HPCRHF 3D14LD	4.0 × 4.0 × 1.6	1.2uH ~ 47uH	2.7A ~ 0.35A	39
	HPCRHF 3D14HP	4.0 × 4.0 × 1.8	1.5uH ~ 22uH	2.6A ~ 0.65A	39
	HPCRHF 3D16	4.0 × 4.0 × 1.8	1.5uH ~ 47uH	1.55A ~ 0.27A	39
	HPCRHF 3D16LD	4.0 × 4.0 × 1.8	3.3uH ~ 47uH	2.0A ~ 0.45A	40
	HPCRHF 3D16HP	4.0 × 4.0 × 1.8	1.7uH ~ 33uH	2.4A ~ 0.41A	40
	HPCRHF 4D16	5.0 × 5.0 × 1.8	3.0uH ~ 100uH	2.3A ~ 0.29A	40
	HPCRHF 4D18	5.0 × 5.0 × 2.0	1.0uH ~ 180uH	1.72A ~ 0.14A	42
	HPCRHF 4D28	5.0 × 5.0 × 3.0	1.8uH ~ 180uH	2.0A ~ 0.22A	42
	HPCRHF 5D18	6.0 × 6.0 × 2.0	3.9uH ~ 100uH	1.88A ~ 0.36A	42
	HPCRHF 5D28	6.0 × 6.0 × 3.0	2.5uH ~ 150uH	2.6A ~ 0.34A	43
	HPCRHF 6D18	7.0 × 7.0 × 2.0	3.0uH ~ 150uH	2.7A ~ 0.5A	43
	HPCRHF 6D28	7.0 × 7.0 × 3.0	3.0uH ~ 100uH	3.0A ~ 0.54A	43
	HPCRHF 6D38	7.0 × 7.0 × 4.0	3.3uH ~ 100uH	3.5A ~ 0.65A	43
	HPCRHF 8D28	8.3 × 8.3 × 3.0	1.0uH ~ 100uH	7.0A ~ 0.8A	45

2. SMD POWER INDUCTOR (SHIELD TYPE WITH FERRITE)

	PART NO	DEMINSION(mm)	Inductance Range	Rated DC Current	Page
	HPCRFH 8D43	8.3 × 8.3 × 4.5	2.0uH ~ 100uH	7.04A ~ 1.3A	45
	HPSLF 6028	6.0 × 6.0 × 2.8	4.7uH ~ 220uH	1.6A ~ 0.26A	46
	HPSLF 0703	7.0 × 7.0 × 3.2	4.7uH ~ 470uH	1.7A ~ 0.2A	49
	HPSLF 0704	7.0 × 7.0 × 4.5	4.7uH ~ 470uH	2.0A ~ 0.22A	49
	HPSLF 10145	10.1 × 10.1 × 4.5	3.3uH ~ 1500uH	3.7A ~ 0.22A	49
	HPSSD 1205S	12.95 × 9.4 × 5.08	1.0uH ~ 10,000uH	5.6A ~ 0.07A	51
	HPSSD 1807S	18.54 × 15.24 × 7.62	1.0uH ~ 1,500uH	20A ~ 0.45A	52
	HPSSDA 1608	6.6 × 4.45 × 3.0	1.5uH ~ 4,700uH	2.8A ~ 0.06A	53
	HPCDN 10030	10.5 × 10.3 × 3.10	0.8uH ~ 150uH	8.3A ~ 0.51A	56
	HPCDN 10040	10.5 × 10.3 × 4.0	1.5uH ~ 330uH	6.5A ~ 0.52A	56
	HPCDN 10050	10.5 × 10.3 × 5.0	3.3uH ~ 1,000uH	6.5A ~ 0.42A	56
	HPSCBB 1204	12.0 × 12.0 × 4.5	6.8uH ~ 330uH	5.0A ~ 0.5A	58
	HPSCBB 1205	12.0 × 12.0 × 6.0	4.7uH ~ 1,000uH	5.0A ~ 0.4A	59
	HPSCBB 1207	12.0 × 12.0 × 8.0	1.0uH ~ 1,000uH	9.8A ~ 0.55A	60
	HPNSDC 665515	6.6 × 5.5 × 1.5	1.0uH ~ 3,900uH	2.91A ~ 0.037A	62
	HPNSDC 665520	6.6 × 5.5 × 2.0	1.0uH ~ 2,700uH	2.9A ~ 0.05A	63

3. SMD POWER INDUCTOR (UNSHIELD TYPE WITH FERRITE)

	PART NO	DEMINSION(mm)	Inductance Range	Rated DC Current	Page
	HPSD 0302	3.5 × 3.0 × 2.0	1.0uH ~ 330uH	2.2A ~ 0.09A	64
	HPSD 0403	4.5 × 4.0 × 3.2	1.0uH ~ 100uH	2.56A ~ 0.26A	64
	HPSD 0504	5.8 × 5.2 × 4.5	2.2uH ~ 1,000uH	3.8A ~ 0.22A	64
	HPSD 0705	7.8 × 7.0 × 5.0	10uH ~ 470uH	2.3A ~ 0.34A	64
	HPSD 1005	10.0 × 9.00 × 5.4	10uH ~ 820uH	2.6A ~ 0.24A	64
	HPNSD 1203	12.95 × 9.4 × 3.7	10uH ~ 47uH	3.8A ~ 1.9A	67
	HPNSD 1205	12.95 × 9.4 × 5.21	1.0uH ~ 1,000uH	9A ~ 0.3A	67
	HPNSD 1211	12.95 × 9.4 × 11.43	1.0uH ~ 1,000uH	20A ~ 0.8A	67
	HPNSD 1807	18.54 × 15.24 × 7.11	1.0uH ~ 2,200uH	20A ~ 0.3A	67
	HPBSD 0806	8.89 × 6.40 × 5.0	0.56uH ~ 100uH	7.7A ~ 0.75A	73
	HPBSD 1205	13.21 × 9.91 × 6.35	0.33uH ~ 100uH	20A ~ 1.2A	74
	HPBSD 2207	22.35 × 16.26 × 8.0	0.78uH ~ 100uH	30A ~ 2.85A	75

4. POWER TRANSFORMER SERIES



NO	SERIES	PAGES
1	EE1011-8P(V)	78
2	EE1312-10P(V)	78
3	EE1312-6P(H)	78
4	EE1614-10P(V)	78
5	EE1625-10P(V)	79
6	EE1916-7P(V)	79
7	EI2218-10P(V)	79
8	EI2519-8P(V)	79
9	EE2520-10(H)	80
10	EE2816-10P(V)	80
11	EE2820-10P(V)	80
12	EE3026-10P(V)	80
13	EI3329-14P(V)	81
14	EE3549-14P(V)	81
15	EI4035-12P(V)	81
16	EI5042-12P(V)	81
17	ER2828-12(V)	82
18	ER2834-12P(V)	82
19	ER2834-12(H)	82
20	ER3016-10P(V)	82


NO	SERIES		PAGES
21	ER3019-10P(V)	—————	83
22	ER3435-14P(H)	—————	83
23	ER3430-18P(V)	—————	83
24	ER3541-16P(H)	—————	83
25	ER4042-16P(V)	—————	84
26	ER4042-16P(H)	—————	84
27	ER4242-18P(V)	—————	84
28	ER4950-18P(V)	—————	84
29	PQ2020-14P(V)	—————	85
30	PQ2625-12P(V)	—————	85
31	PQ3220-12P(V)	—————	85
32	PQ3230-12P(V)	—————	85
33	PQ3535-12P(V)	—————	86
34	PQ4040-12P(V)	—————	86
35	PQ5050-12P(V)	—————	86
36	EPC1313-10P	—————	86
37	EPC1716-10P	—————	87
38	EPC1920-10P	—————	87
39	EFD2020-10P	—————	87
40	EFD2525-10P	—————	87

5. COMMON MODE CHOKE COIL

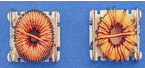


NO	SERIES	PAGES
1	ET-V FILTERS	88
2	ET-H FILTERS	89
3	UU FILTERS	89




6. SMD EMI FILTER

NO	SERIES	ITEM	PAGES
	SEF100805 SERIES	100805 SERIES	90
	SDLF SERIES	0804/0805/0905/1005/1106/1207	91
	SMF SERIES	1004/1405/1605/2208	94
	HTF SERIES	1005	95

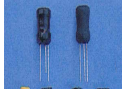

7. SMD TOROIDAL INDUCTOR

NO	SERIES	ITEM	PAGES
	TRB SERIES	16/30/44/50/50B/50C/50D	96
	HCI SERIES	HCI- B1 / B2	97
	HTF SERIES	1005	98

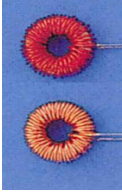
8. RF INDUCTOR & TRANSFORMER

NO	SERIES	ITEM	PAGES
	SMD IFT	VARIABLE INDUCTOR	99
	SMD BALUNTRANSFORMER	0303D/0403D/0604D/0705D	100
	SMD AIR COIL	0603/0805/1008//1008CH/1008CL	102

9. NORMAL INDUCTOR (WITH PIN THROUGH TYPE)

NO	SERIES	ITEM	PAGES
	PEAKING INDUCTOR SERIES	PK0406/0608/0810/1012	108
	PEAKING INDUCTOR SERIES WITH BASE	PKB0804/0865/0809	114
	PCV SERIES WITH FERRITE BOBBIN CORE	1420/1920/2420/2424/3525	118
	HC SERIES HIGH CURRENT FILTER CHOKE	HC0205 ~ HC0630	119

10. TOROIDAL (WITH PIN THROUGH TYPE)

NO	SERIES	ITEM	PAGES
	TC SERIES MOUNTING INDUCTOR	TC20 ~ TC30	126
	LF SERIES TOROIDAL LINE FILTER	LF129, LF V/H, LFB V/H	129
	CMF SERIES COMMON MODE FILTER	CMF 2206/2507/3813/4916/6113	132
	TTR SERIES TOROIDAL TRANSFORMER	TTR106 ~ TTR130	133



**Metal Molding High Current SMD Power Inductor
MMI 065□ Series**

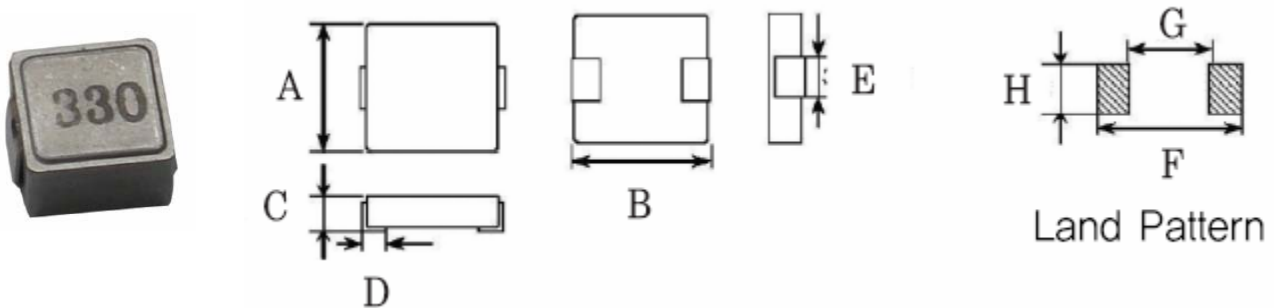
Application Field

- PDA / Notebook / Desktop / Server Applications
- Low Profile, High Current Power Supplies
- Battery Powered Devices
- DC / DC converters for power System Distribution
- Mobile RF Repeater

Features

- Metal Molding Design
- Frequency Range up to **5MHz**
- **Lowest DCR / L**
- Buzz Noise Suppression
- 100% Lead Free

Dimensions and footprint (Unit: mm)



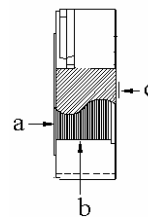
TYPE	A	B	C	D	E	F	G	H
MMI06518	6.5±0.3	7.1±0.3	1.8±0.3	1.27±0.3	3.0±0.3	8.0±0.3	3.8±0.3	3.5±0.3

Schematic diagram:



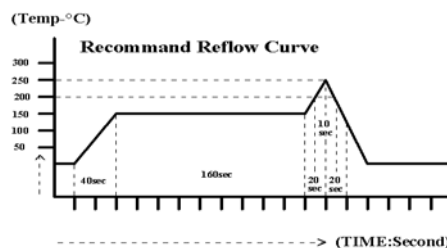
Materials:

- a. Core: IRON
- b. Wire: COPPER
- c. Terminal: COPPER



General Specification:

- a. Storage temp: -40°C --- +125°C
- b. Operating temp: -55°C --- +125°C
- c. Resistance to solder heat: 250°C .10 secs





**MMI06518 Series
Metal Molding High Current SMD Power Inductor**

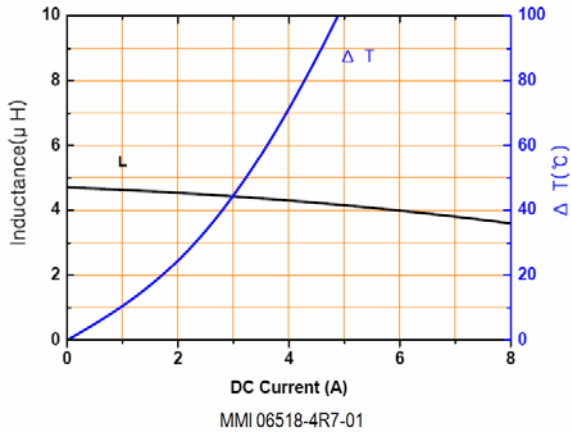
Part NO	L(μH)	RDC(mΩ)Max	IDC(A)MaX
1R0	1.0	7	9.80
2R2	2.2	12	8.00
3R3	3.3	15	5.20
4R7	4.7	16	5.00

- All Test Data is referenced to 25°C Ambient
- Tolerance of Inductance : ±20%
- I rms : $\Delta T = 40^{\circ}C$
- Temperature of components should be checked in the end applications
- Measuring condition : 100KHz , 100mv
- I sat : 20% lower than it's value
- Operating Temperature : -55°C ~ 125°C

MMI06518 Series PACKING UNIT:

ITEM NO	DIMENSIONS OF REEL	Q 'TY/REEL (PCS)
MMI06518	T/R 13"	1,000

Technical Data





Metal Molding High Current SMD Power Inductor MMI 065□ Series

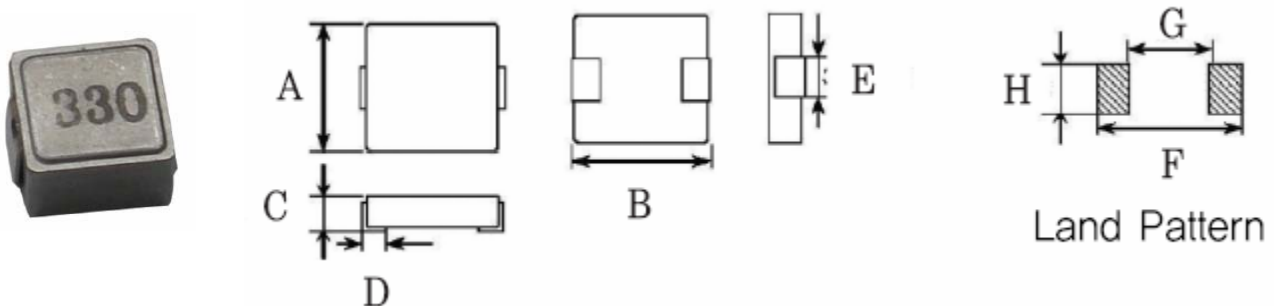
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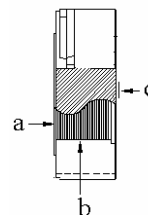
TYPE	A	B	C	D	E	F	G	H
MMI06524	6.5±0.3	7.1±0.3	2.4±0.3	1.27±0.3	3.0±0.3	8.0±0.3	3.8±0.3	3.5±0.3

Schematic diagram:



Materials:

- Core: IRON
- Wire: COPPER
- Terminal: COPPER



General Specification:

- Storage temp: -40°C --- +125°C
- Operating temp: -55°C --- +125°C
- Resistance to solder heat: 250°C . 10 secs

