



高頻陶瓷貼片電感

TYPE: MF Series
Multilayer Chip Inductor (High Frequency)

□ Feature (特性)

- ◆ To prevent EMI interference noises between electronic circuits.
(可降低噪音及濾波電磁干擾)
- ◆ High Q and high reliability and ceramic material.
(高品質因素、高可靠性、陶瓷材質)

□ Application (用途)

Notebook Computer, Disc Drive Unit(CD/DVD), Inkjet Printer, Hard Disk Drive, Copying Machine, Display Monitor, Gaming Machine, Color TV, Video Tape Recorder, DVD Player, Video Camera, Digital Still Camera, Car Electronics, Lowest EMI.

Figure:

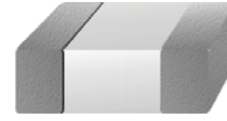


Fig-1

(筆記型電腦、磁片驅動裝置、噴墨印表機、硬碟磁碟機、影印機、顯示監視器、遊戲機、彩色電視、錄放影機、光碟機、攝影機、數位相機、汽車電子產品、防干擾對策)

□ ORDERING INFORMATION

Example: MF100505-1N0C (0402 1.0nH ±0.3nH)

Type	Size	Inductance	Inductance		Packing	Inductance Range
MF100505	(0402)	1N0=1 nH	H= ±3%	A=±0.1nH	T=Taping	1 nH ~ 120 nH
MF160808	(0603)	10N= 10 nH	J= ±5%	B=±0.2nH	B=Bulk	1 nH ~ 220 nH
MF201209	(0805)	R10=100nH	K= ±10%	C=±0.3nH		1 nH ~ 120 nH
MF201212	(0805)	R68=680nH	M= ±20%			150 nH ~ 680 nH

□ DIMENSION

Unit: mm

Type	Size	A	B	C	D	E	F	G	Figure
MF100505	(0402)	1.0±0.1	0.5±0.05	0.5±0.10	0.1~0.3	0.5	1.40	0.50	Fig-2; Fig-3
MF160808	(0603)	1.6±0.2	0.8±0.2	0.8±0.20	0.2~0.6	0.7	2.10	0.70	
MF201209	(0805)	2.0±0.2	1.25±0.2	0.85±0.20	0.2~0.8	1.0	2.60	1.00	
MF201212	(0805)	2.0±0.2	1.25±0.2	1.25±0.20	0.2~0.8	1.0	2.60	1.00	

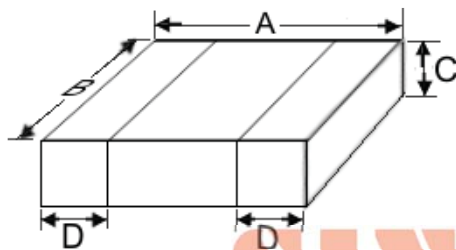


Fig-2

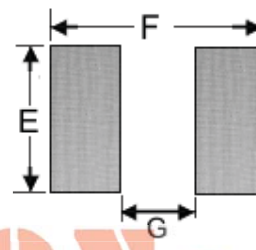


Fig-3



□ Standard Electrical Specifications MF100505(0402) Chip Inductor

Part Number MF-100505 (0402) 貨編	Inductance (nH) 電感值(L)	Q (min) 品質因數	Freq. (MHz) 測試頻率	SRF(GHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
MF100505 -1N0C	1	8	100	10	0.08	300
MF100505 -1N2C	1.2	8	100	10	0.09	300
MF100505 -1N5C	1.5	8	100	6	0.1	300
MF100505 -1N8C	1.8	8	100	6	0.12	300
MF100505 -2N0C	2	8	100	6	0.12	300
MF100505 -2N2C	2.2	8	100	6	0.13	300
MF100505 -2N4C	2.4	8	100	6	0.13	300
MF100505 -2N7C	2.7	8	100	6	0.13	300
MF100505 -3N0C	3	8	100	6	0.16	300
MF100505 -3N3C	3.3	8	100	6	0.16	300
MF100505 -3N9C	3.9	8	100	4	0.21	300
MF100505 -4N7C	4.7	8	100	4	0.21	300
MF100505 -5N6C	5.6	8	100	4	0.23	300
MF100505 -6N8J	6.8	8	100	3.9	0.25	300
MF100505 -8N2J	8.2	8	100	3.6	0.28	300
MF100505 -10NJ	10	8	100	3.2	0.31	300
MF100505 -12NJ	12	8	100	2.7	0.4	300
MF100505 -15NJ	15	8	100	2.3	0.46	300
MF100505 -18NJ	18	8	100	2.1	0.55	300
MF100505 -22NJ	22	8	100	1.9	0.6	300
MF100505 -27NJ	27	8	100	1.6	0.7	300
MF100505 -33NJ	33	8	100	1.3	0.8	200
MF100505 -39NJ	39	8	100	1.2	0.9	200
MF100505 -47NJ	47	8	100	1	1	200
MF100505 -56NJ	56	8	100	0.75	1	200
MF100505 -68NJ	68	8	100	0.75	1.2	180
MF100505 -82NJ	82	8	100	0.6	1.3	150
MF100505 -R10J	100	8	100	0.6	1.5	150
MF100505 -R12J	120	8	100	0.6	1.6	150



□ Standard Electrical Specifications MF160808(0603) Series Chip Inductor

Part Number MF-160808 (0603) 產品料號	Inductance (nH) 電感值(L)	Q (min) 品質因數	Freq. (MHz) 測試頻率	SRF(GHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
MF160808 -1N0C	1	8	100	10	0.05	300
MF160808 -1N2C	1.2	8	100	10	0.05	300
MF160808 -1N5C	1.5	8	100	6	0.1	300
MF160808 -1N8C	1.8	8	100	6	0.1	300
MF160808 -2N2C	2.2	8	100	6	0.1	300
MF160808 -2N7C	2.7	10	100	6	0.1	300
MF160808 -3N3C	3.3	10	100	6	0.12	300
MF160808 -3N9C	3.9	10	100	6	0.14	300
MF160808 -4N7C	4.7	10	100	4	0.16	300
MF160808 -5N6C	5.6	10	100	4	0.18	300
MF160808 -6N8J	6.8	10	100	4	0.22	300
MF160808 -8N2J	8.2	10	100	3.5	0.24	300
MF160808 -10NJ	10	12	100	3.4	0.26	300
MF160808 -12NJ	12	12	100	2.6	0.28	300
MF160808 -15NJ	15	12	100	2.3	0.32	300
MF160808 -18NJ	18	12	100	2	0.35	300
MF160808 -22NJ	22	12	100	1.6	0.4	300
MF160808 -27NJ	27	12	100	1.4	0.45	300
MF160808 -33NJ	33	12	100	1.2	0.55	300
MF160808 -39NJ	39	12	100	1.1	0.6	300
MF160808 -47NJ	47	12	100	0.9	0.7	300
MF160808 -56NJ	56	12	100	0.9	0.75	300
MF160808 -68NJ	68	12	100	0.7	0.85	300
MF160808 -82NJ	82	12	100	0.6	0.95	300
MF160808 -R10J	100	12	100	0.6	1	300
MF160808 -R12J	120	8	50	0.5	1.2	300
MF160808 -R15J	150	8	50	0.5	1.2	300
MF160808 -R18J	180	8	50	0.4	1.3	300
MF160808 -R22J	220	8	50	0.4	1.5	300



□ Standard Electrical Specifications MF201209(0805) Series Chip Inductor

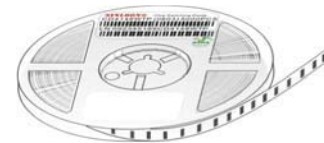
Part Number MF-201209 (0805) 產品料號	Inductance (nH) 電感值(L)	Q (min) 品質因數	Freq. (MHz) 測試頻率	SRF(GHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
MF201209 -1N0C	1	10	100	10	0.1	300
MF201209 -1N2C	1.2	10	100	10	0.1	300
MF201209 -1N5C	1.5	10	100	4	0.1	300
MF201209 -1N8C	1.8	10	100	4	0.1	300
MF201209 -2N2C	2.2	10	100	4	0.1	300
MF201209 -2N7C	2.7	12	100	4	0.1	300
MF201209 -3N3SC	3.3	12	100	4	0.13	300
MF201209 -3N9C	3.9	12	100	4	0.15	300
MF201209 -4N7C	4.7	12	100	3.5	0.2	300
MF201209 -5N6C	5.6	15	100	3.2	0.23	300
MF201209 -6N8J	6.8	15	100	2.8	0.25	300
MF201209 -8N2J	8.2	15	100	2.4	0.28	300
MF201209 -10NJ	10	15	100	2.1	0.3	300
MF201209 -12NJ	12	15	100	1.9	0.35	300
MF201209 -15NJ	15	15	100	1.6	0.4	300
MF201209 -18NJ	18	15	100	1.5	0.45	300
MF201209 -22NJ	22	18	100	1.4	0.5	300
MF201209 -27NJ	27	18	100	1.3	0.55	300
MF201209 -33NJ	33	18	100	1.2	0.6	300
MF201209 -39NJ	39	18	100	1	0.65	300
MF201209 -47NJ	47	18	100	0.9	0.7	300
MF201209 -56NJ	56	18	100	0.8	0.75	300
MF201209 -68NJ	68	18	100	0.7	0.8	300
MF201209 -82NJ	82	18	100	0.6	0.9	300
MF201209 -R10J	100	18	100	0.6	0.9	300
MF201209 -R12J	120	13	50	0.5	0.95	300

Standard Electrical Specifications MF201212(0805) Series Chip Inductor

Part Number MF-201012 (1206) 產品料號	Inductance (nH) 電感值(L)	Q (min) 品質因數	Freq. (MHz) 測試頻率	SRF(GHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
MF201212 -R15J	150	13	50	0.5	1	300
MF201212 -R18J	180	13	50	0.4	1.1	300
MF201212 -R22J	220	12	50	0.35	1.2	300
MF201212 -R27J	270	12	50	0.3	1.3	300
MF201212 -R33J	330	12	50	0.25	1.4	300
MF201212 -R39J	390	10	50	0.25	1.4	300
MF201212 -R47J	470	10	50	0.2	1.5	300
MF201212 -R56J	560	10	25	0.18	5	50
MF201212 -R68J	680	10	25	0.16	5.5	50

PACKING

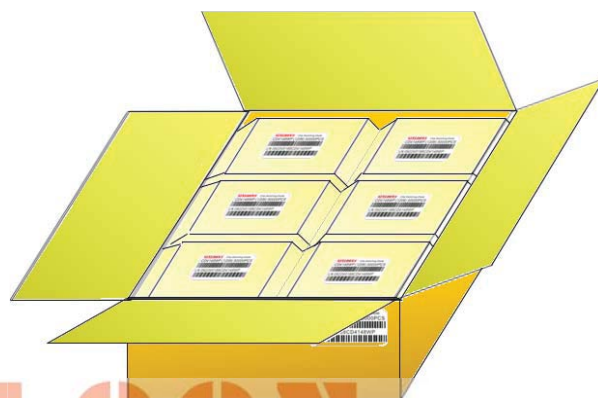
Type	Size	Quantity (ea)		
MF100505	(0402)	10,000 /Reel	100K / Inner Box	600K / Carton
MF160808	(0603)	4,000 /Reel	40K / Inner Box	240K / Carton
MF201209	(0805)	4,000 /Reel	40K / Inner Box	240K / Carton
MF201212	(0805)	3,000 /Reel	30K / Inner Box	180K / Carton



Reel Tape



Inner Box



Carton



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※Mayloon characteristic parameters of electronic product specification changes or updates without notice to improve.

