



鐵氧貼片電感

TYPE: MI Series
Multilayer Chip Inductor (Ferrite Material)

□ 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 ferrite material
(高品質因素、高可靠性、鐵氧磁體材質)

□ 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: MI-160808-47NM (0603 0.047nH ±20%)

Type	Size	Inductance	Tolerance		Packing
MI-160808	(0603)	47N=0.047uH	H= ±3%	A=±0.1nH	T=Taping
MI-201209	(0805)	R47=0.47uH	J= ±5%	B=±0.2nH	B=Bulk
MI-201212	(0805)	4R7=4.7uH	K= ±10%	C=±0.3nH	
MI-321611	(1206)	100=10uH	M= ±20%		

□ DIMENSION

Unit: mm

Type	Size	A	B	C	D	E	F	G	Figure
MI-160808	(0603)	1.6±0.2	0.8±0.2	0.8±0.20	0.2~0.6	0.7	2.10	0.70	Fig-2; Fig-3
MI-201209	(0805)	2.0±0.2	1.25±0.2	0.85±0.20	0.2~0.8	1.0	2.60	1.00	
MI-201212	(0805)	2.0±0.2	1.25±0.2	0.85±0.20	0.2~0.8	1.0	2.60	1.00	
MI-321611	(1206)	3.2±0.2	1.6±0.2	1.1±0.20	0.4~1.0	1.4	4.40	2.20	

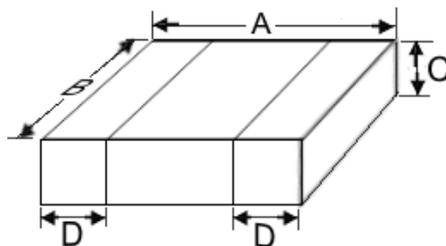


Fig-2

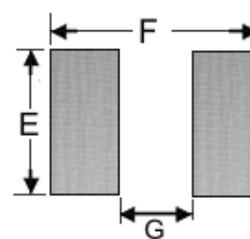


Fig-3

□ Inductance Range:

Type	Size	Inductance Range
MI-160808	(0603)	0.047 μH ~ 15 μH
MI-201209	(0805)	0.047 μH ~ 2.2 μH
MI-201212	(0805)	2.7 μH ~ 39 μH
MI-321611	(1206)	0.047 μH ~ 47 μH



Standard Electrical Specifications MI-160808(0603) Series Chip Inductor

Part Number	Inductance	Tolerance	Q	Frequency	SRF(MHz)	DCR(Ω)	IDC(mA)
MI-160808 (0603)	(μH)	(%)	(min)	(MHz)	(min)	(max)	(max)
產品料號	電感值(L)	誤差(%)	品質因數	測試頻率	共振頻率	直流阻抗	定格電流
MI160808 -47NM	0.047	±20%	10	50	260	0.3	50
MI160808 -68NM	0.068	±20%	10	50	250	0.3	50
MI160808 -82NM	0.082	±20%	10	50	245	0.3	50
MI160808 -R10K	0.1	±10%	15	25	240	0.5	50
MI160808 -R12K	0.12	±10%	15	25	205	0.5	50
MI160808 -R15K	0.15	±10%	15	25	180	0.6	50
MI160808 -R18K	0.18	±10%	15	25	165	0.6	50
MI160808 -R22K	0.22	±10%	15	25	150	0.8	50
MI160808 -R27K	0.27	±10%	15	25	136	0.8	50
MI160808 -R33K	0.33	±10%	15	25	125	0.85	35
MI160808 -R39K	0.39	±10%	15	25	110	1	35
MI160808 -R47K	0.47	±10%	15	25	105	1.35	35
MI160808 -R56K	0.56	±10%	15	25	95	1.55	35
MI160808 -R68K	0.68	±10%	15	25	90	1.7	35
MI160808 -R82K	0.82	±10%	15	25	85	2.1	35
MI160808 -1R0K	1	±10%	35	10	75	0.6	25
MI160808 -1R2K	1.2	±10%	35	10	65	0.8	25
MI160808 -1R5K	1.5	±10%	35	10	60	0.8	25
MI160808 -1R8K	1.8	±10%	35	10	55	0.95	25
MI160808 -2R2K	2.2	±10%	35	10	50	1.15	15
MI160808 -2R7K	2.7	±10%	35	10	45	1.35	15
MI160808 -3R3K	3.3	±10%	35	10	40	1.55	15
MI160808 -3R9K	3.9	±10%	35	10	35	1.7	15
MI160808 -4R7K	4.7	±10%	35	10	33	2.1	15
MI160808 -5R6K	5.6	±10%	35	4	22	1.55	5
MI160808 -6R8K	6.8	±10%	35	4	20	1.7	5
MI160808 -8R2K	8.2	±10%	35	4	18	2.1	5
MI160808 -100K	10	±10%	30	2	17	1.85	3
MI160808 -120K	12	±10%	30	2	15	2.1	3
MI160808 -150K	15	±10%	20	1	14	1.7	1



Standard Electrical Specifications MI-201209 (0805) Chip Inductor

Part Number	Inductance	Tolerance	Q	Frequency	SRF(MHz)	DCR(Ω)	IDC(mA)
MI-201209 (0805)	(μH)	(%)	(min)	(MHz)	(min)	(max)	(max)
產品料號	電感值(L)	誤差(%)	品質因數	測試頻率	共振頻率	直流阻抗	定格電流
MI201209 -47NM	0.047	±20%	15	50	320	0.2	300
MI201209 -68NM	0.068	±20%	15	50	280	0.2	300
MI201209 -82NM	0.082	±20%	15	50	255	0.2	300
MI201209 -R10K	0.1	±10%	20	25	235	0.3	250
MI201209 -R12K	0.12	±10%	20	25	220	0.3	250
MI201209 -R15K	0.15	±10%	20	25	200	0.4	250
MI201209 -R18K	0.18	±10%	20	25	185	0.4	250
MI201209 -R22K	0.22	±10%	20	25	170	0.5	250
MI201209 -R27K	0.27	±10%	20	25	150	0.5	250
MI201209 -R33K	0.33	±10%	20	25	145	0.55	250
MI201209 -R39K	0.39	±10%	25	25	135	0.65	200
MI201209 -R47K	0.47	±10%	25	25	125	0.65	200
MI201209 -R56K	0.56	±10%	25	25	115	0.75	150
MI201209 -R68K	0.68	±10%	25	25	105	0.8	150
MI201209 -R82K	0.82	±10%	25	25	100	1	150
MI201209 -1R0K	1	±10%	45	10	75	0.4	50
MI201209 -1R2K	1.2	±10%	45	10	65	0.5	50
MI201209 -1R5K	1.5	±10%	45	10	60	0.5	50
MI201209 -1R8K	1.8	±10%	45	10	55	0.6	50
MI201209 -2R2K	2.2	±10%	45	10	50	0.65	30





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TYPE: MI-201212 (0805) Series
Multilayer Chip Inductor (Ferrite Material)

Standard Electrical Specifications MI-201212 (0805) Chip Inductor

Part Number	Inductance	Tolerance	Q	Frequency	SRF(MHz)	DCR(Ω)	IDC(mA)
MI-201212 (0805)	(μH)	(%)	(min)	(MHz)	(min)	(max)	(max)
產品料號	電感值(L)	誤差(%)	品質因數	測試頻率	共振頻率	直流阻抗	定格電流
MI201212 -2R7K	2.7	±10%	45	10	45	0.75	30
MI201212 -3R3K	3.3	±10%	45	10	41	0.8	30
MI201212 -3R9K	3.9	±10%	45	10	38	0.9	30
MI201212 -4R7K	4.7	±10%	45	10	35	1	30
MI201212 -5R6K	5.6	±10%	50	4	32	0.9	15
MI201212 -6R8K	6.8	±10%	50	4	29	1	15
MI201212 -8R2K	8.2	±10%	50	4	26	1.1	15
MI201212 -100K	10	±10%	50	2	24	1.15	15
MI201212 -120K	12	±10%	50	2	22	1.25	15
MI201212 -150K	15	±10%	30	1	19	0.8	5
MI201212 -180K	18	±10%	30	1	18	0.9	5
MI201212 -220K	22	±10%	30	1	16	1.1	5
MI201212 -270K	27	±10%	30	1	14	1.15	5
MI201212 -330K	33	±10%	30	0.4	13	1.25	5
MI201212 -390K	39	±10%	35	1	8	2.9	4



□ Standard Electrical Specifications MI-321611 (1206) Series Chip Inductor

Part Number MI-321611 (1206) 產品料號	Inductance (μ H) 電感值(L)	Tolerance (%) 誤差	Q (min) 品質因數	Frequency (MHz) 測試頻率	SRF(MHz) (min) 共振頻率	DCR(Ω) (max) 直流阻抗	IDC(mA) (max) 定格電流
MI321611 -47NM	0.047	$\pm 20\%$	20	50	320	0.15	300
MI321611 -68NM	0.068	$\pm 20\%$	20	50	280	0.25	300
MI321611 -82NM	0.082	$\pm 20\%$	20	50	255	0.25	300
MI321611 -R10K	0.1	$\pm 10\%$	20	25	235	0.25	250
MI321611 -R12K	0.12	$\pm 10\%$	20	25	220	0.3	250
MI321611 -R15K	0.15	$\pm 10\%$	20	25	200	0.3	250
MI321611 -R18K	0.18	$\pm 10\%$	20	25	185	0.4	250
MI321611 -R22K	0.22	$\pm 10\%$	20	25	170	0.4	250
MI321611 -R27K	0.27	$\pm 10\%$	20	25	150	0.5	250
MI321611 -R33K	0.33	$\pm 10\%$	20	25	145	0.6	250
MI321611 -R39K	0.39	$\pm 10\%$	25	25	135	0.5	250
MI321611 -R47K	0.47	$\pm 10\%$	25	25	125	0.6	200
MI321611 -R56K	0.56	$\pm 10\%$	25	25	115	0.7	200
MI321611 -R68K	0.68	$\pm 10\%$	25	25	105	0.8	150
MI321611 -R82K	0.82	$\pm 10\%$	25	25	100	0.9	150
MI321611 -1R0K	1	$\pm 10\%$	45	10	75	0.4	100
MI321611 -1R2K	1.2	$\pm 10\%$	45	10	65	0.5	100
MI321611 -1R5K	1.5	$\pm 10\%$	45	10	60	0.5	50
MI321611 -1R8K	1.8	$\pm 10\%$	45	10	55	0.5	50
MI321611 -2R2K	2.2	$\pm 10\%$	45	10	50	0.6	50
MI321611 -2R7K	2.7	$\pm 10\%$	45	10	45	0.6	50
MI321611 -3R3K	3.3	$\pm 10\%$	45	10	41	0.7	50
MI321611 -3R9K	3.9	$\pm 10\%$	45	10	38	0.8	50
MI321611 -4R7K	4.7	$\pm 10\%$	45	10	35	0.9	50
MI321611 -5R6K	5.6	$\pm 10\%$	50	4	32	0.7	25
MI321611 -6R8K	6.8	$\pm 10\%$	50	4	29	0.8	25
MI321611 -8R2K	8.2	$\pm 10\%$	50	4	26	0.9	25
MI321611 -100K	10	$\pm 10\%$	50	2	24	1	25
MI321611 -120K	12	$\pm 10\%$	50	2	22	1.05	15
MI321611 -150K	15	$\pm 10\%$	35	1	19	0.7	5
MI321611 -180K	18	$\pm 10\%$	35	1	18	0.7	5
MI321611 -220K	22	$\pm 10\%$	35	1	16	0.9	5
MI321611 -270K	27	$\pm 10\%$	35	1	14	0.9	5
MI321611 -330K	33	$\pm 10\%$	35	0.4	13	1.05	5
MI321611 -390K	39	$\pm 10\%$	40	2	11	3	10
MI321611 -470K	47	$\pm 10\%$	40	2	10	3.4	10

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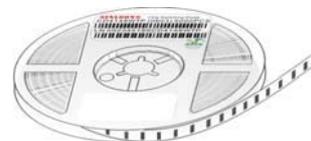
鐵氧貼片電感

TYPE: MI Series

Multilayer Chip Inductor (Ferrite Material)

PACKING

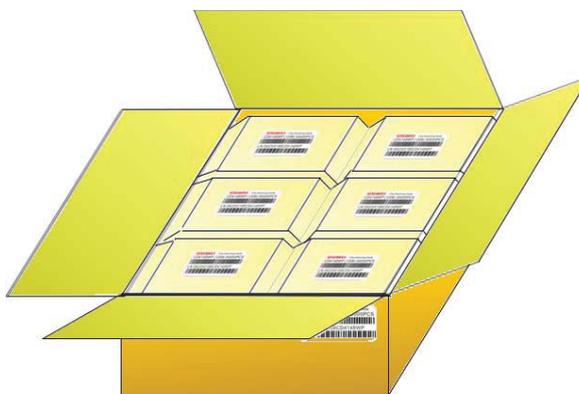
Type	Size	Quantity (ea)		
MI-160808	(0603)	4,000 /Reel	40K / Inner Box	240K / Carton
MI-201209	(0805)	4,000 /Reel	40K / Inner Box	240K / Carton
MI-201212	(0805)	3,000 /Reel	30K / Inner Box	180K / Carton
MI-321611	(1206)	3,000 /Reel	30K / Inner Box	180K / Carton



178mm Reel Tape



Inner Box



Carton

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

