

# Multilayer Chip Beads

## GSMB100505(0402) / GSMB160808(0603)

## GSMB201209(0805) / GSMB321611(1206)

### Features (特長)

- Closed magnetic circuit structure allows high density mounting while preventing crosstalk. (封閉磁路結構，可高密度安裝並避免干擾)
- Excellent solderability and heat resistance. (良好的焊錫性及耐熱性)

### 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.

(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)



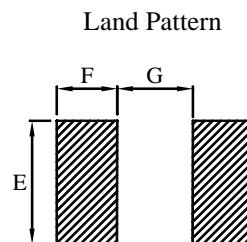
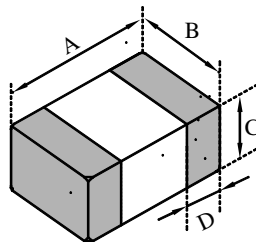
### Product Identification (產品識別)

GSMB100505 - \_\_\_\_ \_\_\_\_ (Ex. GSMB100505-U0030)

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1. Multilayer Chip Beads (積層式晶片磁珠)  
(GSMB100505, GSMB160808, GSMB201209, GSMB321611)
2. Material (材質)
3. Impedance (阻抗值)

### Configurations & Dimensions (結構圖及規格尺寸)



Unit In mm

Type (型式)	A	B	C	D	E	F	G
GSMB100505 (0402)	1.0 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.1~0.3	0.5	0.45	0.5
GSMB160808 (0603)	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.2~0.6	0.7	0.7	0.7
GSMB201209 (0805)	2.0 ± 0.2	1.25 ± 0.2	0.9 ± 0.2	0.2~0.8	1.0	0.8	1.0
GSMB321611 (1206)	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.2	0.4~1.0	1.4	1.1	2.2

# Multilayer Chip Beads

## GSMB100505(0402)

Electrical Characteristics for GSMB100505 Series [GSMB100505 系列電子特性規格]

Part Number 產品料號	Impedance ( $\Omega$ ) 阻抗值 (Z)	Tolerance 誤差值	Freq. (MHz) 測試頻率	DCR( $\Omega$ ) (max) 直流阻抗	IDC (mA) (max) 定格電流
GSMB100505-U0010	10	25 %	100	0.05	500
GSMB100505-U0030	30	25 %	100	0.20	300
GSMB100505-U0060	60	25 %	100	0.40	200
GSMB100505-U0120	120	25 %	100	0.50	200
GSMB100505-U0300	300	25 %	100	0.75	100
GSMB100505-U0470	470	25 %	100	0.90	100
GSMB100505-U0600	600	25 %	100	1.10	50
GSMB100505-U1000	1000	25 %	100	1.50	50

# Multilayer Chip Beads

## GSMB160808(0603)

Electrical Characteristics for GSMB160808 Series [GSMB160808 系列電子特性規格]

Part Number 產品料號	Impedance ( $\Omega$ ) 阻抗值 (Z)	Tolerance 誤差值	Freq. (MHz) 測試頻率	DCR( $\Omega$ ) (max) 直流阻抗	IDC (mA) (max) 定格電流
GSMB160808 -U0019	19	25 %	100	0.10	400
GSMB160808 -U0031	31	25 %	100	0.10	400
GSMB160808 -U0052	52	25 %	100	0.15	400
GSMB160808 -U0060	60	25 %	100	0.15	400
GSMB160808 -U0080	80	25 %	100	0.15	400
GSMB160808 -U0100	100	25 %	100	0.15	400
GSMB160808 -U0120	120	25 %	100	0.15	400
GSMB160808 -U0150	150	25 %	100	0.15	400
GSMB160808 -U0180	180	25 %	100	0.20	400
GSMB160808 -U0200	200	25 %	100	0.20	400
GSMB160808 -U0220	220	25 %	100	0.20	400
GSMB160808 -U0300	300	25 %	100	0.30	400
GSMB160808 -U0400	400	25 %	100	0.30	400
GSMB160808 -U0450	450	25 %	100	0.30	400
GSMB160808 -U0600	600	25 %	100	0.35	400
GSMB160808 -U0750	750	25 %	100	0.35	400
GSMB160808 -U1000	1000	25 %	100	0.55	300
GSMB160808 -U1500	1500	25 %	100	0.60	200

# Multilayer Chip Beads

## GSMB201209(0805)

Electrical Characteristics for GSMB201209 Series [GSMB201209 系列電子特性規格]

Part Number 產品料號	Impedance ( $\Omega$ ) 阻抗值 (Z)	Tolerance 誤差值	Freq. (MHz) 測試頻率	DCR( $\Omega$ ) (max) 直流阻抗	IDC (mA) (max) 定格電流
GSMB201209 -U0007	7	25 %	100	0.10	300
GSMB201209 -U0011	11	25 %	100	0.10	300
GSMB201209 -U0017	17	25 %	100	0.10	300
GSMB201209 -U0026	26	25 %	100	0.10	300
GSMB201209 -U0031	31	25 %	100	0.10	300
GSMB201209 -U0052	52	25 %	100	0.15	300
GSMB201209 -U0060	60	25 %	100	0.15	300
GSMB201209 -U0080	80	25 %	100	0.15	300
GSMB201209 -U0100	100	25 %	100	0.20	300
GSMB201209 -U0120	120	25 %	100	0.20	300
GSMB201209 -U0150	150	25 %	100	0.20	300
GSMB201209 -U0220	220	25 %	100	0.25	300
GSMB201209 -U0300	300	25 %	100	0.25	300
GSMB201209 -U0400	400	25 %	100	0.30	300
GSMB201209 -U0530	530	25 %	100	0.35	300
GSMB201209 -U0600	600	25 %	100	0.35	300
GSMB201209 -U1000	1000	25 %	100	0.45	300
GSMB201209 -U1500	1500	25 %	100	0.70	300

# Multilayer Chip Beads

## GSMB321611(1206)

Electrical Characteristics for GSMB321611 Series [GSMB321611 系列電子特性規格]

Part Number 產品料號	Impedance ( $\Omega$ ) 阻抗值 (Z)	Tolerance 誤差值	Freq. (MHz) 測試頻率	DCR( $\Omega$ ) (max) 直流阻抗	IDC (mA) (max) 定格電流
GSMB321611 -U0019	19	25 %	100	0.10	800
GSMB321611 -U0026	26	25 %	100	0.10	800
GSMB321611 -U0031	31	25 %	100	0.10	800
GSMB321611 -U0052	52	25 %	100	0.15	800
GSMB321611 -U0060	60	25 %	100	0.15	500
GSMB321611 -U0070	70	25 %	100	0.15	500
GSMB321611 -U0100	100	25 %	100	0.20	450
GSMB321611 -U0120	120	25 %	100	0.20	450
GSMB321611 -U0150	150	25 %	100	0.20	450
GSMB321611 -U0220	220	25 %	100	0.20	350
GSMB321611 -U0300	300	25 %	100	0.20	350
GSMB321611 -U0400	400	25 %	100	0.25	350
GSMB321611 -U0600	600	25 %	100	0.25	350
GSMB321611 -U0750	750	25 %	100	0.30	350
GSMB321611 -U1000	1000	25 %	100	0.35	350
GSMB321611 -U1500	1500	25 %	100	0.40	350
GSMB321611 -U1800	1800	25 %	100	0.40	350