

Ferrite Chip Bead 鐵氧體晶片磁珠

FCB/FCM Series
For Noise Suppression
 適合雜訊抑制



Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. S.M.T. type.
4. Suitable for flow and reflow soldering.
5. Shapes and dimensions follow E.I.A. spec.
6. Available in various sizes.
7. Excellent solderability and heat resistance.
8. High reliability.

Applications

Personal computers, communication equipment, digital telephone, electronic games machines, CRTs, hard disk drives, cellular phones, PDAs, printers and other computer peripheral products.
 Suitable for I/O ports, DC power lines and signal lines, and general circuits with unstable ground.

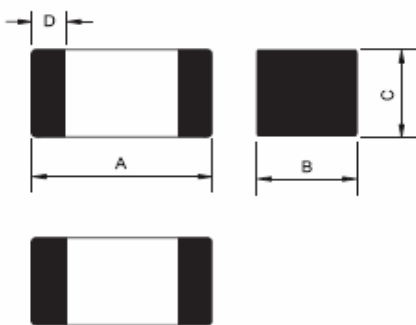
特徵

1. 單石無機材料結構.
2. 封閉磁路避免干擾.
3. 表面粘著型式.
4. 適合一般焊接及回焊.
5. 形狀及尺寸符合 E.I.A. 規格.
6. 不同尺寸可供選擇.
7. 良好的焊錫性及耐熱性.
8. 高可靠度.

應用

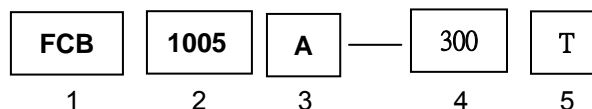
個人電腦、通訊設備、數位電話、電子遊戲機、陰極射線管、硬式磁碟機、行動電話、個人數位助理、列表機、和其他電腦周邊設備。
 適合接地不穩定之輸入/輸出埠、直流電源線、訊號線及一般電路。

Dimensions



Chip size				
Size	A(mm)	B(mm)	C(mm)	D(mm)
1005	1.0±0.10	0.5±0.10	0.5±0.10	0.25±0.10
1608	1.6±0.15	0.8±0.15	0.8±0.15	0.30±0.20
2012	2.0±0.20	1.25±0.2	0.85±0.20	0.50±0.30
3216	3.2±0.20	1.6±0.20	1.10±0.20	0.50±0.30
3225	3.2±0.20	2.5±0.20	1.30±0.20	0.50±0.30
4516	4.5±0.20	1.6±0.20	1.60±0.20	0.50±0.30
4532	4.5±0.20	3.2±0.20	1.50±0.20	0.50±0.30

Part Numbering



1. Series
2. Dimension : A*B
3. Rated Current : A=50mA, B=80mA, C=100mA, D=150mA, E=200mA, F=250mA, G=300mA, H=350mA, I=400mA, J=450mA, K=500mA, L=550mA, M=600mA, N=650mA, O=700mA, P=750mA, Q=800mA, R=850mA, S=900mA, T=950mA, U₁=1A, U₂=1.5A, V₁=2A, V₂=2.5A, W=3A, X=4A, Y=5A, Z=6A
4. Impedance : 30=30Ω 300=30Ω 301=300Ω
5. Packaging : T=Taping & Reel, B=Bulk

FCB/FCM1005 Series

Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max	DCR (Ohm) max.
FCM1005G-300T	30 ± 25%	100	300	0.20
FCM1005G-600T	60 ± 25%	100	300	0.25
FCM1005C-121T	120 ± 25%	100	100	0.30
FCM1005C-151T	150 ± 25%	100	100	0.30
FCM1005C-221T	220 ± 25%	100	100	0.40
FCM1005C-301T	300 ± 25%	100	100	0.50
FCM1005C-471T	470 ± 25%	100	100	0.65
FCM1005B-601T	600 ± 25%	100	80	0.80
FCM1005C-600T	60 ± 25%	100	100	0.30
FCM1005B-121T	120 ± 25%	100	80	0.45
FCM1005A-221T	220 ± 25%	100	50	0.60
FCM1005A-301T	300 ± 25%	100	50	0.75

FCB/FCM1608 Series

Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max	DCR (Ohm) max.
FCB1608O-300T	30 ± 25%	100	700	0.20
FCM1608O-600T	60 ± 25%	100	700	0.20
FCM1608M-121T	120 ± 25%	100	600	0.25
FCM1608M-151T	150 ± 25%	100	600	0.25
FCM1608L-221T	220 ± 25%	100	550	0.30
FCM1608L-301T	300 ± 25%	100	500	0.35
FCM1608H-471T	470 ± 25%	100	350	0.45
FCM1608H-601T	600 ± 25%	100	350	0.50
FCM1608E-102T	1000 ± 25%	100	200	0.70
FCM1608E-152T	1500 ± 25%	100	200	1.00
FCM1608D-202T	2000 ± 25%	100	150	1.20
FCM1608O-100T	10 ± 25%	100	700	0.20
FCM1608M-300T	30 ± 25%	100	600	0.25
FCM1608M-600T	60 ± 25%	100	600	0.30
FCM1608G-121T	120 ± 25%	100	300	0.40
FCM1608G-151T	150 ± 25%	100	300	0.40
FCM1608F-221T	220 ± 25%	100	250	0.60
FCM1608E-301T	300 ± 25%	100	200	0.80
FCM1608E-471T	470 ± 25%	100	200	0.85
FCM1608D-601T	600 ± 25%	100	150	1.20
FCM1608B-102T	1000 ± 25%	100	80	1.50
FCM1608G-121T	120 ± 25%	100	300	0.25
FCM1608F-151T	150 ± 25%	100	250	0.30
FCM1608E-221T	220 ± 25%	100	200	0.35
FCM1608F-301T	300 ± 25%	100	250	0.45
FCM1608E-471T	470 ± 25%	100	200	0.55
FCM1608C-6011T	600 ± 25%	100	200	0.70
FCM1608C-8011T	800 ± 25%	100	100	0.80
FCM1608C-102T	1000 ± 25%	100	100	0.90

FCB/FCM2012 Series

Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max	DCR (Ohm) max.
FCB2012S-110T	11±25%	100	900	0.10
FCB2012M-170T	17±25%	100	600	0.10
FCB2012M-260T	26±25%	100	600	0.10
FCB2012M-300T	30±25%	100	600	0.10
FCB2012M-400T	40±25%	100	600	0.10
FCM2012S-600T	60±25%	100	900	0.10
FCB2012Q-121T	120±25%	100	800	0.20
FCM2012Q-151T	150±25%	100	800	0.20
FCM2012P-221T	220±25%	100	750	0.30
FCM2012O-301T	300±25%	100	700	0.30
FCM2012O-471T	470±25%	100	700	0.35
FCM2012K-601T	600±25%	100	500	0.40
FCM2012J-801T	800±25%	100	450	0.40
FCM2012I-102T	1000±25%	100	400	0.45
FCM2012I-102T	1000±25%	100	400	0.45
FCM2012H-152T	1500±25%	100	350	0.50
FCM2012F-202T	2000±25%	100	250	0.60
FCM2012E-232T	2300±25%	100	200	0.80
FCM2012D-272T	2700±25%	100	150	1.10
FCM2012M-070T	7±25%	100	600	0.10
FCM2012O-300T	30±25%	100	700	0.20
FCM2012O-600T	60±25%	100	700	0.20
FCM2012M-121T	120±25%	100	600	0.25
FCM2012M-151T	150±25%	100	600	0.25
FCM2012I-221T	220±25%	100	400	0.30
FCM2012I-301T	300±25%	100	400	0.35
FCM2012I-471T	470±25%	100	400	0.40
FCM2012G-601T	600±25%	100	300	0.40
FCM2012E-102T	1000±25%	100	200	0.45
FCM2012G-121T	120±25%	100	300	5.00
FCM2012G-151T	150±25%	100	300	0.15
FCM2012F-221T	220±25%	100	250	0.20
FCM2012E-301T	300±25%	100	200	0.30
FCM2012E-471T	470±25%	100	200	0.40
FCM2012E-601T	600±25%	100	200	0.45
FCM2012D-801T	800±26%	100	150	0.55
FCM2012C-102T	1000±27%	100	100	0.65

FCB/FCM3216 Series

Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max	DCR (Ohm) max.
FCB3216K-260T05	26±25%	100	500	0.20
FCB3216K-310T05	31±25%	100	500	0.20
FCB3216K-420T05	42±25%	100	500	0.20
FCB3216K-500T05	50±25%	100	500	0.20
FCB3216K-700T05	70±25%	100	500	0.20
FCB3216K-900T05	90±25%	100	500	0.20
FCB3216K-121T09	120±25%	100	900	0.15
FCB3216K-151T09	150±25%	100	900	0.15
FCB3216K-221T07	220±25%	100	700	0.35
FCB3216K-301T07	300±25%	100	700	0.35
FCB3216K-471T04	470±25%	100	400	0.35
FCB3216K-601T04	600±25%	100	400	0.40
FCB3216K-801T03	800±25%	100	300	0.60
FCB3216K-102T03	1000±25%	100	300	0.70
FCB3216V-152T03	1500±25%	100	300	0.70
FCB3216V-202T03	2000±25%	100	300	0.20
FCB3216N-190T05	19±25%	100	500	0.25
FCB3216C-121T07	120±25%	100	700	0.25
FCB3216C-151T07	150±25%	100	700	0.30
FCB3216C-221T06	220±25%	100	600	0.35
FCB3216C-301T06	300±25%	100	600	0.40
FCB3216C-471T05	470±25%	100	550	0.50
FCB3216C-601T05	600±25%	100	500	0.50
FCB3216C-801T04	800±25%	100	400	0.55
FCB3216C-102T03	1000±25%	50	300	0.15
FCB3216W-121T03	120±25%	30	300	0.20
FCB3216W-151T03	150±25%	100	300	0.20
FCB3216W-221T02	220±25%	100	250	0.30
FCB3216W-301T02	300±25%	100	200	0.35
FCB3216W-471T02	470±25%	100	200	0.40
FCB3216W-601T02	600±25%	100	200	0.45