

High Current Ferrite Chip Bead 大電流鐵氧體晶片磁珠

HCB Series

Ferrite Chip Bead Offer High Frequency Noise Suppression in High Current DC Power Lines

鐵氧磁體晶片磁珠提供大電流電路中高頻雜訊的抑制



Features

1. Closed magnetic circuit structure allows high density mounting while preventing crosstalk.
2. Extremely high reliability due to entirely monolithic construction
3. Low DC resistance structure of electrode to prevent wasteful electric power consumption.
4. High Current rating up to 6A

特徵

1. 對閉磁路結構，可高密度安裝並避免干擾。
2. 單石結，具高度可靠度。
3. 具低直流電阻結構之電極，可避免功率消耗之浪費。
4. 高額定電流達 6 安培。

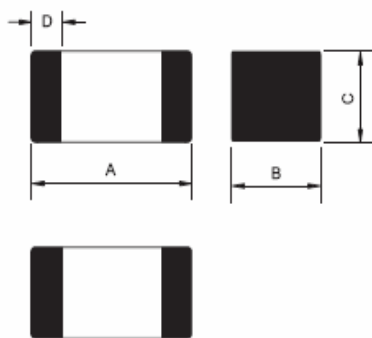
Applications

Personal computers, communication equipment, digital telephone, electronic games machines, CRTs, hard disk drives, cellular phones, PDAs, printers and other computer peripheral products.

應用

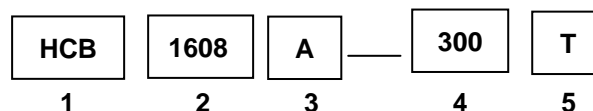
人電腦、通訊設備、數位電話、電子遊戲機、陰極射線管、硬式磁碟機、行動電話、個人數位助理、列表機、和其他電腦周邊設備。

Dimensions



Chip size				
Size	A(mm)	B(mm)	C(mm)	D(mm)
1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.20
2012	2.0±0.20	1.25±0.2	0.85±0.2	0.3±0.20
3216	3.2±0.20	1.6±0.20	1.1±0.20	0.5±0.30
3225	3.2±0.20	2.5±0.20	1.3±0.20	0.5±0.30
4516	4.5±0.20	1.6±0.20	1.6±0.20	0.5±0.30
4532	4.5±0.20	3.2±0.20	1.5±0.20	0.5±0.30
5750	5.7±0.20	5.0±0.20	1.8±0.20	0.5±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=30Ohm 300=30 Ohm 301=300 Ohm
5. Packaging: T=Taping & Reel, B=Bulk

HCB Series for IC'S Power Line

Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max	DCR (Ohm) max.
HCB1608V-300T30	30 ± 25%	100	3000	0.04
HCB1608V-800T30	80 ± 25%	100	3000	0.04
HCB1608U ₁ -121T20	120 ± 25%	100	2000	0.10
HCB1608 U ₁ -151T20	150 ± 25%	100	2000	0.10
HCB1608 U ₁ -221T20	220 ± 25%	100	2000	0.10
HCB1608 T ₁ -301T10	300 ± 25%	100	1000	0.20
HCB1608 T ₁ -471T10	470 ± 25%	100	1000	0.20
HCB1608 T ₁ -601T10	600 ± 25%	100	1000	0.20

Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max	DCR (Ohm) max.
HCB2012V-300T30	30 ± 25%	100	3000	0.04
HCB2012V-800T30	80 ± 25%	100	3000	0.04
HCB2012 U ₁ -121T20	120 ± 25%	100	2000	0.10
HCB2012 U ₁ -151T20	150 ± 25%	100	2000	0.10
HCB2012 U ₁ -221T20	220 ± 25%	100	2000	0.10
HCB2012 T ₁ -301T10	300 ± 25%	100	1000	0.20
HCB2012 T ₁ -471T10	470 ± 25%	100	1000	0.20
HCB2012 T ₁ -601T10	600 ± 25%	100	1000	0.20

Part Number	Impedance (Ohm)	Test Frequency (MHz)	Rated Current (mA) max	DCR (Ohm) max.
HCB3216V-300T	30 ± 25%	100	3000	0.04
HCB3216V-500T	50 ± 25%	100	3000	0.04
HCB3216V-800T	80 ± 25%	100	3000	0.04
HCB3216U ₁ -121T	120 ± 25%	100	2000	0.10
HCB3216U ₁ -151T	150 ± 25%	100	2000	0.10
HCB3216 T ₁ -301T	300 ± 25%	100	1000	0.20
HCB3216T ₁ -471T	470 ± 25%	100	1000	0.20
HCB3216V-501T	500 ± 25%	100	3000	0.04
HCB3216 U ₁ -601T	600 ± 25%	100	2000	0.10
HCB3225W-600T	60 ± 25%	100	4000	0.03
HCB3225 U ₁ -900T	90 ± 25%	100	2000	0.01
HCB3225X-151T	150 ± 25%	100	5000	0.04
HCB3225W-201T	200 ± 25%	100	4000	0.15
HCB4516Y-600T	60 ± 25%	100	6000	0.01
HCB4516V-800T	80 ± 25%	100	3000	0.04
HCB4516 T ₂ -102T	1000 ± 25%	100	1500	0.02
HCB4532Y-800T	80 ± 25%	100	6000	0.15
HCB4532V-131T	130 ± 25%	100	3000	0.01
HCB4532X-151T	150 ± 25%	100	5000	0.04
HCB4532W-681T	680 ± 25%	100	4000	0.20
HCB4532V-132T	1300 ± 25%	100	3000	0.03
HCB4532V-132T	1300 ± 25%	100	3000	0.06
HCB5750Y-101T	100 ± 25%	100	3000	0.01
HCB5750V-151T	150 ± 25%	100	3000	0.04
HCB5750V-181T	180 ± 25%	100	3000	0.04
HCB5750V-601T	600 ± 25%	100	3000	0.04