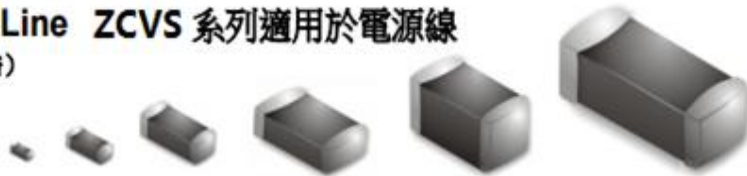


Multilayer High Current Ferrite Chip Bead (for Power Line)

積層式大電流鐵氧體晶片磁珠（電源線用）

ZCVS Series for DC Power Line ZCVS 系列適用於電源線
Rated Current (耐電流) : >3 A (安培)

INTRODUCTION 產品介紹



Multilayer high current chip beads are SMD components that possess a ultra-low DC resistance. Their impedance mainly comprises resistive part. Therefore, when this component is inserted in series with a noise high current conduction path, the noise content can be attenuated.

積層式大電流晶片磁珠係表面黏著式晶片，具極低直流電阻。其阻抗主要由電阻性組成，所以當元件被安裝於一有雜訊的大電流傳導路徑上，其雜訊可被衰減。

FEATURE 特色

The ZCVS series can be used on particularly high current circuits due to its extremely low DC resistance. It can meet the power line to a maximum of DC-10A.

由於 ZCVS 系列產品的超低直流電阻之特性，使其適用於大電流電路，適合最高 10 安培直流電之電源線。

APPLICATION 適用產品

This series is suitable for very high DC current power line EMI suppression. For example: 此系列產品適用於大電流電源線之雜訊抑制，例如：

1. Various power lines of electronic equipment.
各式電子設備電源線。
2. Mother board, tablet PC, notebook, desktop computers and peripheral equipment.
主機板、平板電腦、筆記型電腦、桌上型電腦及其週邊設備。
3. DSC, DVC, LCD Television, Set Top Box.
數位相機、數位攝影機、液晶電視機、數位機上盒。
4. Digital communication equipment.
數位通訊設備。
5. Various automotive electronics.
各式汽車設備。

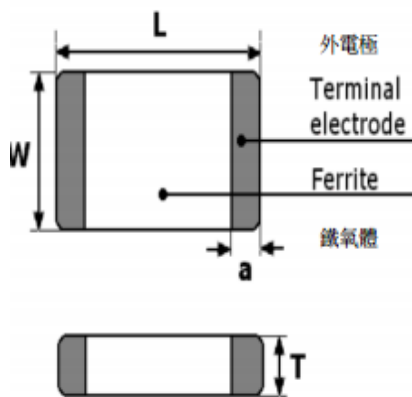
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SIZE AND DIMENSION 尺寸及邊長



SIZE 尺寸	L 長 mm	W 寬 mm	T 厚 mm	a 銀寬 mm
201209 (0805)	2.0±0.2	1.25±0.2	0.9+0.15/-0.2	0.2~0.8
321611 (1206)	3.2±0.2	1.6±0.2	1.1±0.2	0.4~1.0
321616 (1206H)	3.2±0.2	1.6±0.2	1.6±0.2	0.4~1.0
322513 (1210)	3.2±0.2	2.5±0.2	1.3±0.2	0.6~1.0
403022 (1612)	4.06±0.2	3.05±0.2	2.28±0.2	0.69~1.09
451616 (1806)	4.5±0.2	1.6±0.2	1.6±0.2	0.6~1.0
453215 (1812)	4.5±0.2	3.2±0.2	1.5±0.2	0.6~1.0
453223 (1812)	4.5±0.25	3.2±0.25	2.3±0.25	0.2~1.1
565015 (2220)	5.59±0.51	5.08±0.25	1.52±0.25	0.51~1.01
565018 (2220)	5.59±0.51	5.08±0.25	1.8±0.25	0.51~1.01
565030 (2220)	5.59±0.51	5.08±0.25	3.05±0.25	0.51~1.01
565032 (2220)	5.59±0.51	5.08±0.25	3.2±0.25	0.51~1.01
853022 (3312)	8.5±0.2	3.05±0.2	2.28±0.2	0.69~1.09

PART NUMBER SYSTEM 編碼系統

ZCV S 321611 A 121



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ZCVS Series for DC Power Line ZCVS 系列適用於電源線

Rated Current (耐電流) : >3 A (安培)

EQUIVALENT CIRCUIT DIAGRAM 等效電路圖



Electrical Characteristics 電氣特性

Part Number 產品料號	Impedance 阻抗 $\Omega \pm 25\%$ 歐姆 @ 100MHz	DC Resistance 直流電阻 Ω (Max.) 歐姆	Rated Current 耐電流 mA (Max.)
1608 系列			
ZCVS 160808A260RDC007	26	0.007	6000
2012 系列			
ZCVS 201209H070	7	0.008	6000
ZCVS 201209H110	11	0.008	6000
ZCVS 201209A170	17	0.008	6000
ZCVS 201209A300	30	0.008	6000
ZCVS 201209A390 RDC008	39	0.008	6000
ZCVS 201209A600	60	0.020	6000
ZCVS 201209A800	80	0.020	6000
ZCVS 201209A121	120	0.025	6000
3216 系列			
ZCVS 321611A310	31	0.006	6000
ZCVS 321611A520	52	0.008	6000
ZCVS 321611A800 4A	80	0.020	4000
ZCVS 321611A121 5A	120	0.025	5000
3225 系列			
ZCVS 322513A520	52	0.008	6000
ZCVS 322513A600	60	0.008	6000
4516 系列			
ZCVS 451616A600	60	0.008	6000

*TEST EQUIPMENT: E4991A IMPEDANCE ANALYZER 量測儀器：E4991A 阻抗分析儀

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積層式大電流鐵氧體晶片磁珠（電源線用）

ZCVS Series for DC Power Line ZCVS 系列適用於電源線

Rated Current (耐電流) : >3 A (安培)

EQUIVALENT CIRCUIT DIAGRAM 等效電路圖

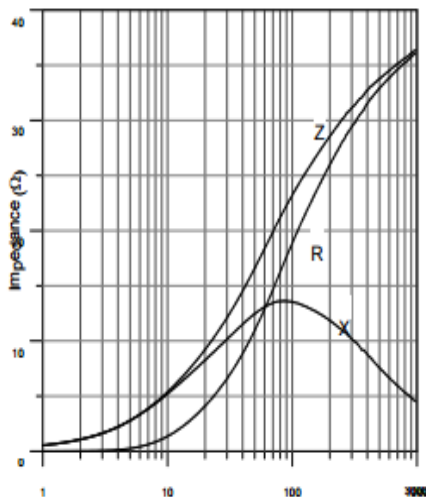


Electrical Characteristics 電氣特性

Part Number 產品料號	Impedance 阻抗 $\Omega \pm 25\%$ 歐姆 @ 100MHz	DC Resistance 直流電阻 Ω (Max.) 歐姆	Rated Current 耐電流 mA (Max.)
4532 系列			
ZCVS 453215A600	60	0.008	6000
ZCVS 453215A121	120	0.020	6000
ZCVS 453215A151	150	0.020	6000
ZCVS 453215B700	70	0.008	6000
ZCVS 453215K8814A	880	0.025	4000

* TEST EQUIPMENT: E4991A IMPEDANCE ANALYZER 量測儀器：E4991A 阻抗分析儀

ZCVS 160808A260RDC007



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積層式大電流鐵氧體晶片磁珠（電源線用）

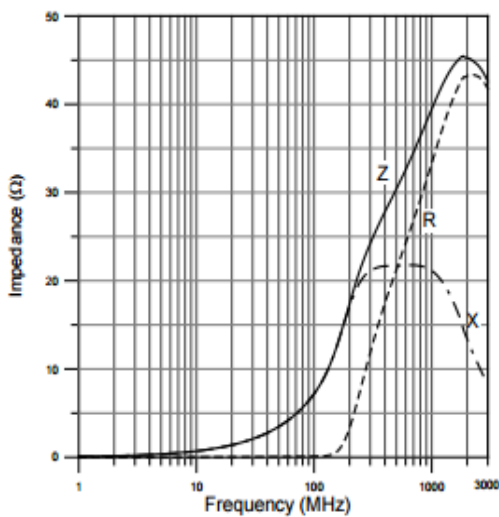
ZCVS Series for DC Power Line ZCVS 系列適用於電源線

Rated Current (耐電流) : >3 A (安培)

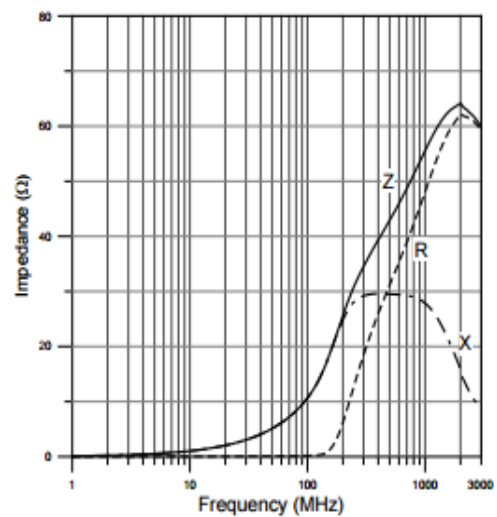
TYPICAL ELECTRICAL CHARACTERISTICS 典型電氣特性

Z, R, X vs. FREQUENCY CHARACTERISTICS 阻抗、電阻、感抗對頻率特性

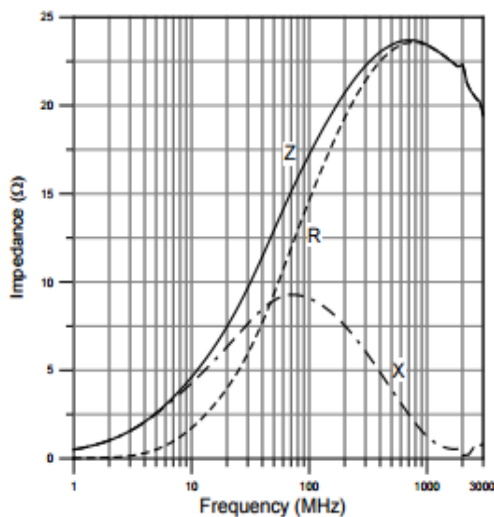
ZCVS 201209H070



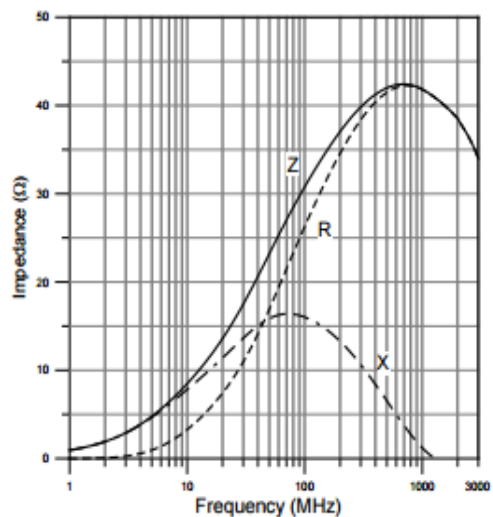
ZCVS 201209H110



ZCVS 201209A170



ZCVS 201209A300



Multilayer High Current Ferrite Chip Bead (for Power Line)

積層式大電流鐵氧體晶片磁珠（電源線用）

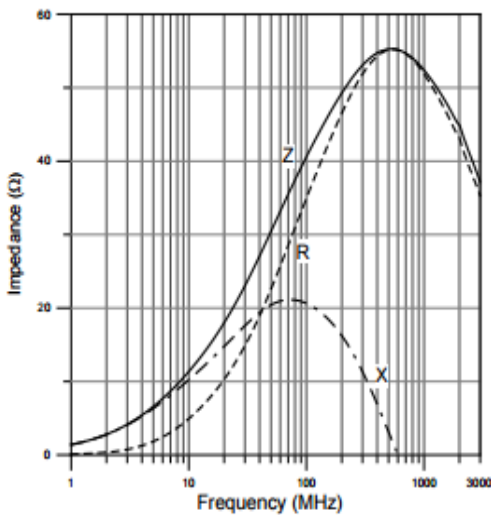
ZCVS Series for DC Power Line ZCVS 系列適用於電源線

Rated Current (耐電流) : >3 A (安培)

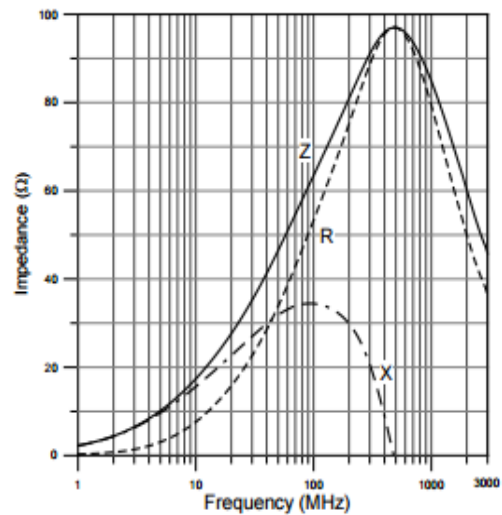
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Z, R, X vs. FREQUENCY CHARACTERISTICS 阻抗、電阻、感抗對頻率特性

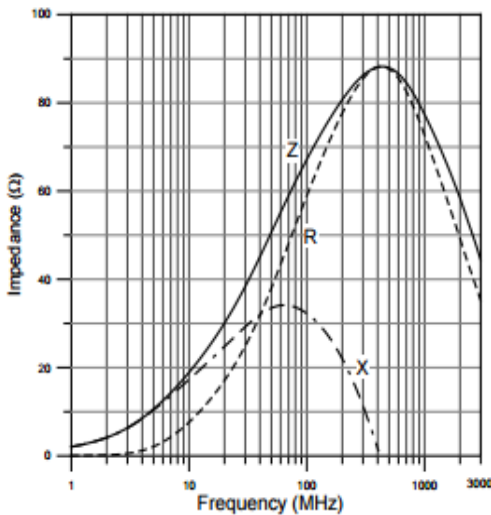
ZCVS201209A390 RDC008



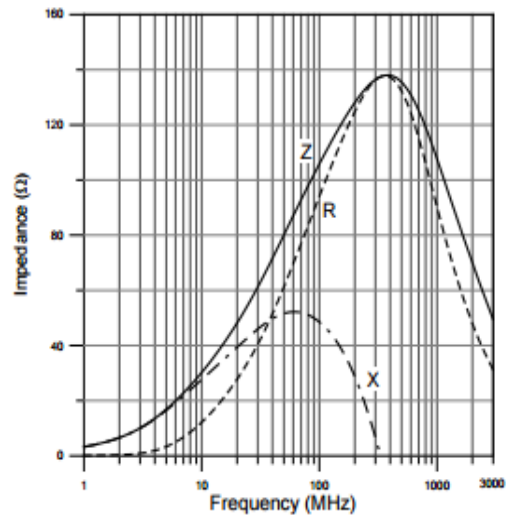
ZCVS201209A600



ZCVS201209A800



ZCVS201209A121



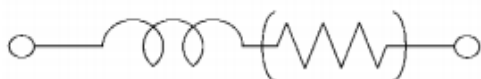
Multilayer High Current Ferrite Chip Bead (for Power Line)

積層式大電流鐵氧體晶片磁珠（電源線用）

New Product for ZCVS Series ZCVS 系列新產品

Rated Current (耐電流) : >3 A (安培)

EQUIVALENT CIRCUIT DIAGRAM 等效電路圖



Electrical Characteristics 電氣特性

Part Number 產品料號	Impedance 阻抗 $\Omega \pm 25\%$ 歐姆 @ 100MHz	DC Resistance 直流電阻 Ω (Max.) 歐姆	Rated Current 耐電流 mA (Max.)
4030 系列			
ZCVS 403022I560 10A	56	0.004	10000
4532 系列			
ZCVS 453223I101 8A	100	0.007	8000
5650 系列			
ZCVS 565015I171 4A	170	0.03	4000
ZCVS 565018I101	100	0.006	6000
ZCVS 565018I151 5A	150	0.015	5000
ZCVS 565018I181 5A	180	0.02	5000
ZCVS 565018I251 4A	250	0.015	4000
ZCVS 565032I271 4A	270	0.035	4000
ZCVS 565032I401 4.5A	400	0.03	4500
ZCVS 565036I801 8A	800	0.01	8000
8530 系列			
ZCVS 853022I101 10A	100	0.004	10000

*TEST EQUIPMENT: E4991A IMPEDANCE ANALYZER 量測儀器：E4991A 阻抗分析儀

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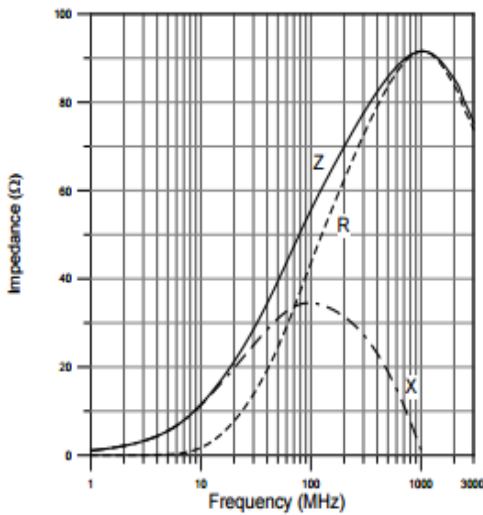
New Product for ZCVS Series ZCVS 系列新產品

Rated Current (耐電流) : >3 A (安培)

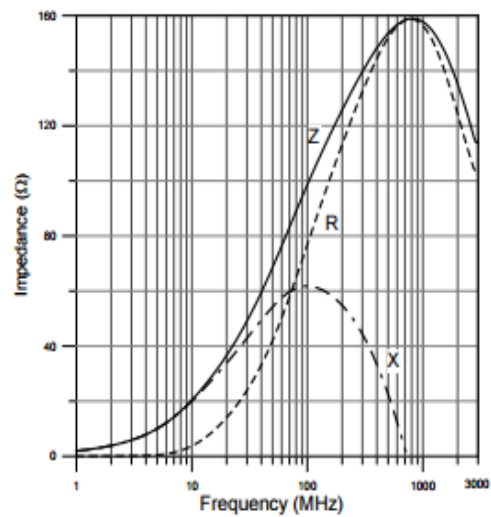
TYPICAL ELECTRICAL CHARACTERISTICS 典型電氣特性

Z, R, X vs. FREQUENCY CHARACTERISTICS 阻抗、電阻、感抗對頻率特性

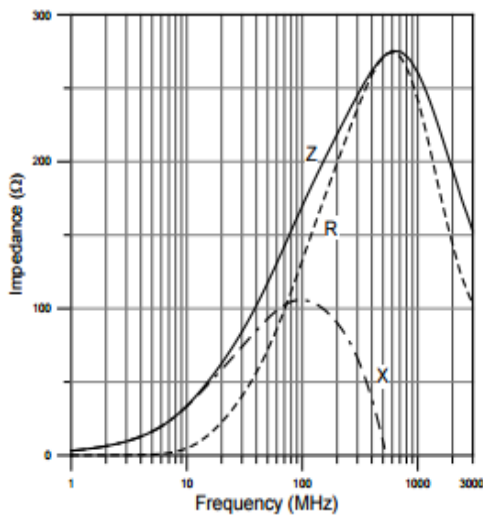
ZCVS403022I560 10A



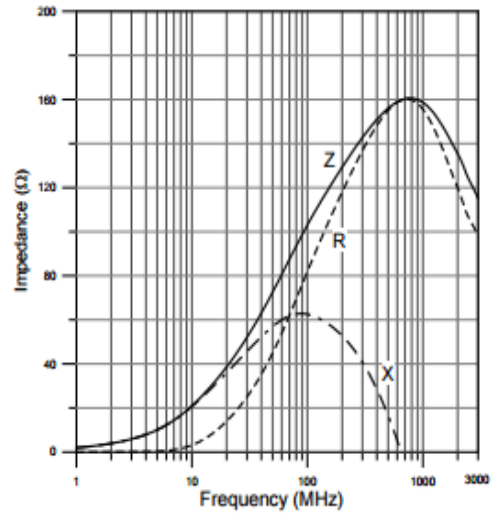
ZCVS453223I101 8A



ZCVS565015I171 4A



ZCVS565018I101



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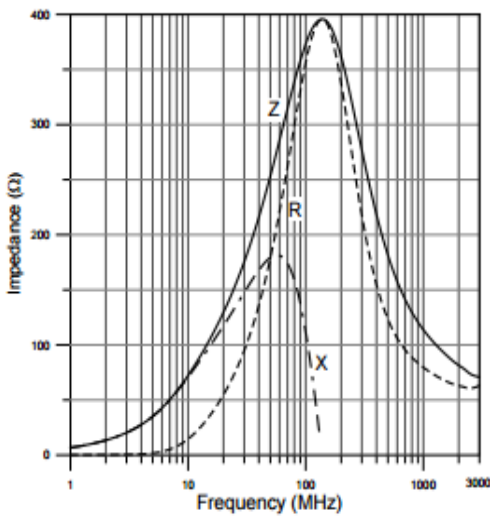
New Product for ZCVS Series | ZCVS 系列新產品

Rated Current (耐電流) : >3 A (安培)

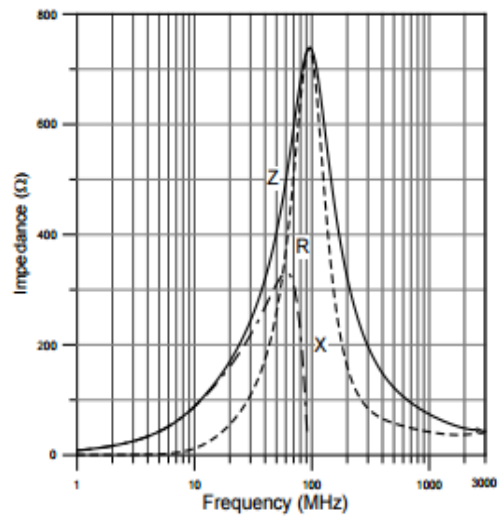
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Z, R, X vs. FREQUENCY CHARACTERISTICS 阻抗、電阻、感抗對頻率特性

ZCVS 565032I401 4.5A



ZCVS 565036I801 8A



ZCVS 853022I101 10A

