

# Bead Array 排感

## ECMS SERIES 系列

### INTRODUCTION 產品介紹

ECMS series consists of 4 circuit of ferrite beads and suitable for EMI suppression in smaller digital equipment.

ECMS 系列由四組磁珠電路組成，適用於較小的數位設備以抑制雜訊干擾。

### FEATURES 特色

1. Available in a wide range of impedance values providing excellent EMI suppression characteristics for various types of noise

阻值範圍寬，提供優越 EMI 抑制特性，適用於各種雜訊。

2. Heat generation and crosstalk between adjacent circuits is minimized.

熱生成及相鄰電路間的串音減至最低。

3. Internal electrodes feature low DC resistance, minimizing wasteful power consumption.

內電極特色為低直流電阻，降低不必要的電流損耗。

4. Monolithic structure ensures high reliability.

單石結構，確保高可靠性。

### APPLICATION 適用產品

To suppress EMI/RFI and to prevent self-oscillation in electronic products such as:

為抑制 EMI/RFI 及避免電子產品之自我振盪，例如：

1. Tablet, notebook, desktop computers and peripheral equipments. 平板、筆記型、桌上型電腦及其週邊設備。

2. Blu-ray DVD recorder, DSC, DVC, LCD Television. 藍光錄放影機、數位相機、數位攝影機、液晶電視機。

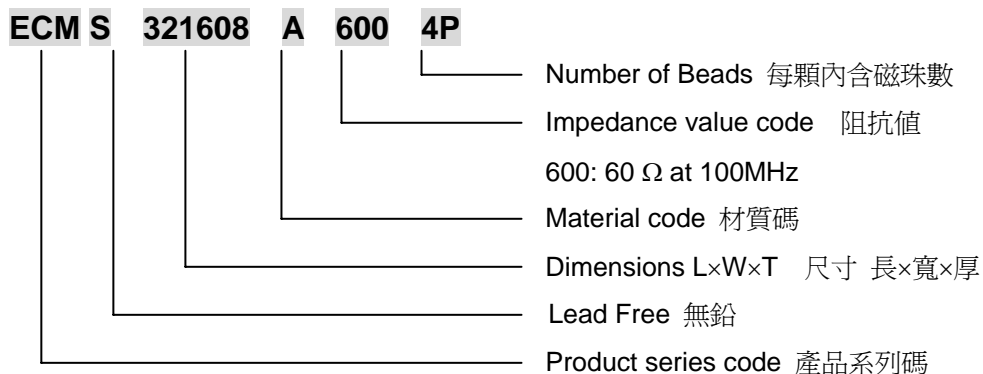
3. Mobile phone, smart phone. 行動電話、智慧手機。

4. Digital communication equipment. 數位通訊設備。

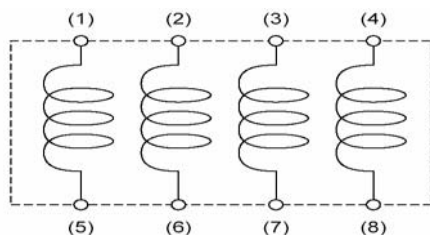
5. Various electronic equipments. 各式電子設備。

6. Circuit where a stable ground is unavailable. 缺乏穩定參考地之電路。

### PART NUMBER SYSTEM 編碼系統



### EQUIVALENT CIRCUIT DIAGRAM 等效電路圖

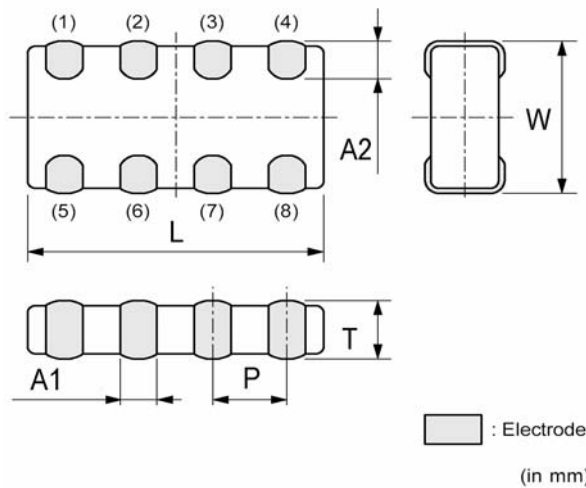


No polarity.

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## SHAPES AND DIMENSIONS 形狀和尺寸



TYPE 系列	L 長 mm	W 寬 mm	T 厚 mm	A1 銀寬 mm	A2 銀寬 mm	P 端電極間距 mm
ECMS-321608	3.2±0.2	1.6±0.2	0.8±0.2	0.4±0.15	0.3±0.2	0.8±0.1
ECMS-201005	2.0±0.15	1.0±0.15	0.45±0.05	0.25±0.15	0.25±0.15	0.5±0.1

### ECMS 321608 (1206)&ECMS201005(0804) TYPE 系列

#### Electrical characteristics 電氣特性

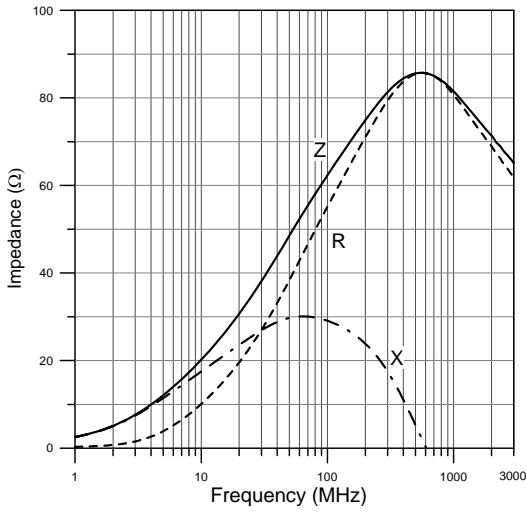
Part Number 產品料號	Impedance 阻抗 Ω±25% 歐姆 @ 100MHz	DC Resistance 直流電阻 Ω (MAX) 歐姆	Rated Current 額定電流 mA (MAX)
ECMS321608A600 4P	60	0.25	200
ECMS321608A121 4P	120	0.30	150
ECMS321608A301 4P	300	0.30	150
ECMS321608A601 4P	600	0.50	100
ECMS321608A102 4P	1000	0.70	50
ECMS321608B121 4P	120	0.40	150
ECMS321608B221 4P	220	0.45	150
ECMS321608B471 4P	470	0.55	100
ECMS321608B601 4P	600	0.65	100
ECMS321608K601 4P	600	0.70	100
ECMS321608K102 4P	1000	0.80	50
ECMS321608H121 4P	120	0.60	50
ECMS321608H301 4P	300	1.00	50
ECMS321608H601 4P	600	1.70	35
ECMS321608H102 4P	1000	2.10	35
ECMS201005A600 4P	60	0.25	100
ECMS201005A121 4P	120	0.50	50
ECMS201005A221 4P	220	0.70	50
ECMS201005A601 4P	600	1.1	50
ECMS201005A102 4P	1000	1.3	50
ECMS201005B121 4P	120	0.6	50
ECMS201005B221 4P	220	0.9	50

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

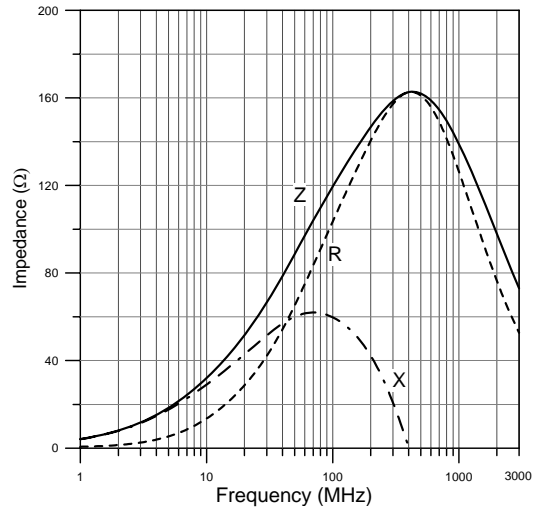
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**TYPICAL ELECTRICAL CHARACTERISTICS 典型電氣特性**  
**Z, R, X vs. FREQUENCY CHARACTERISTICS Z, R, X vs. 頻率特性**

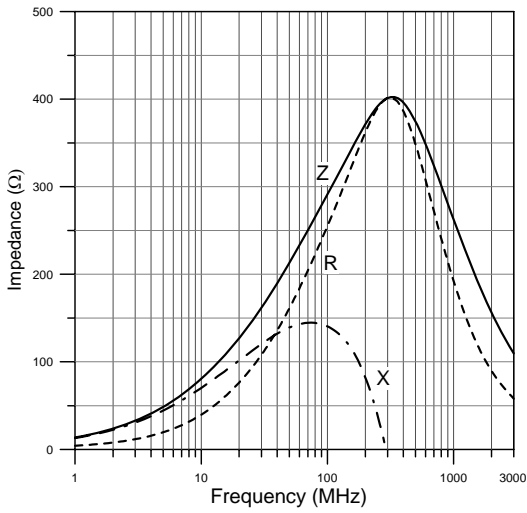
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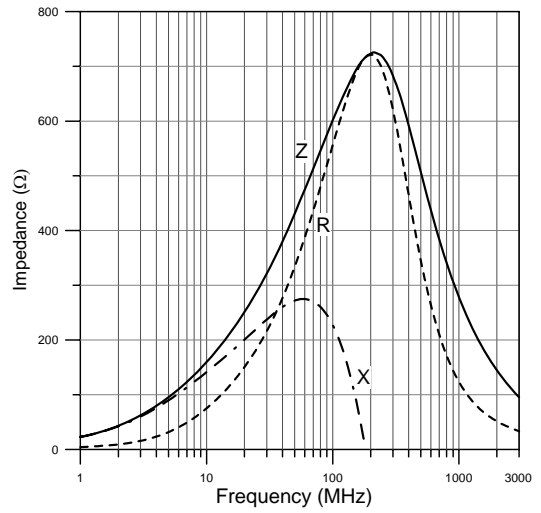
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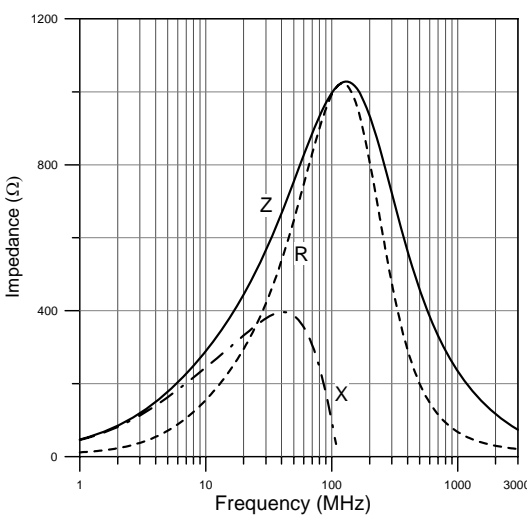
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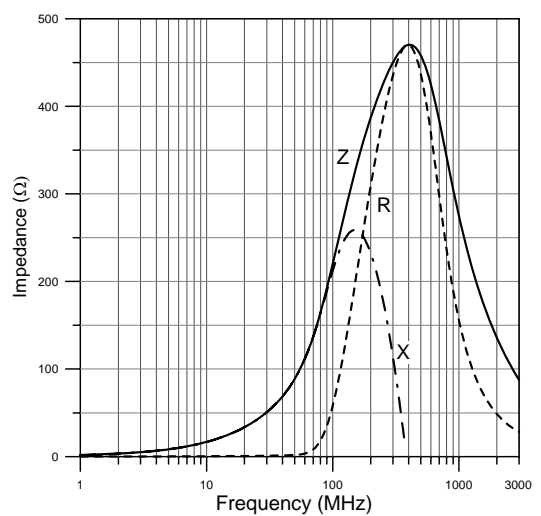
**ECMS321608A601 4P**



**ECMS321608A102 4P**



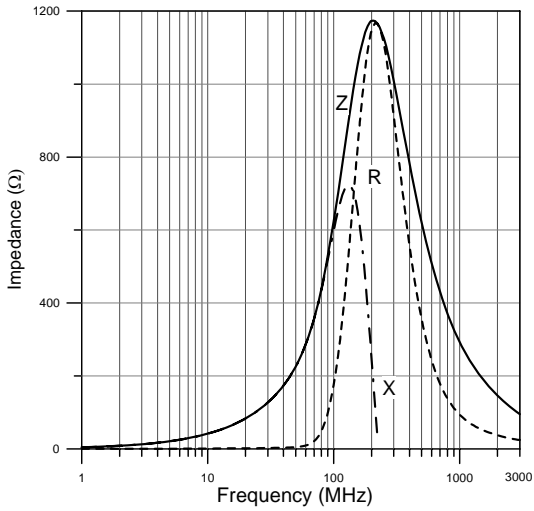
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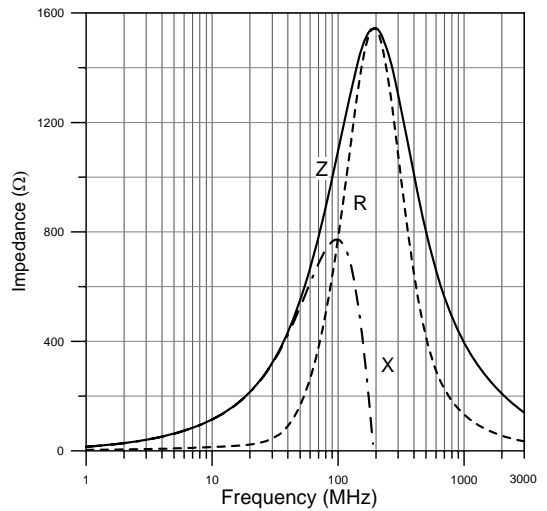
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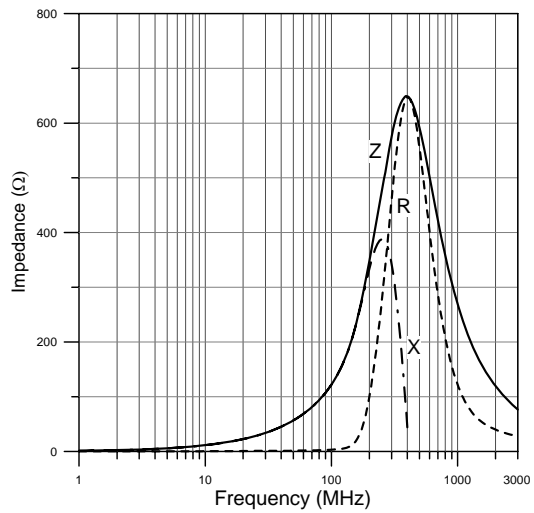
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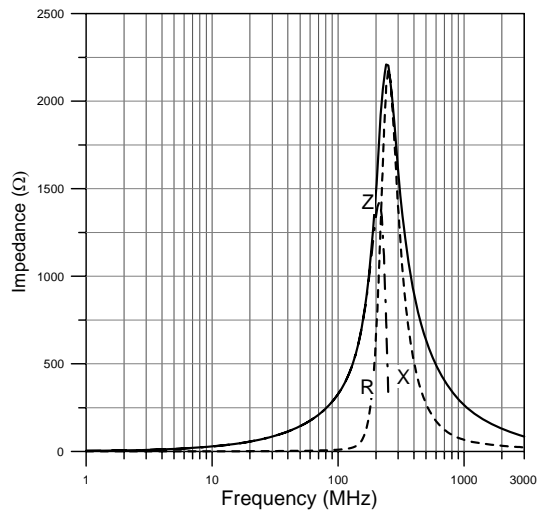
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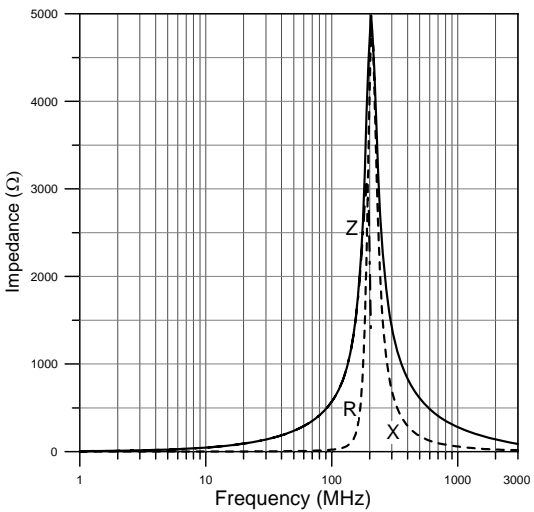
**ECMS321608H121 4P**



**ECMS321608H301 4P**



**ECMS321608H601 4P**



**ECMS321608H102 4P**

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