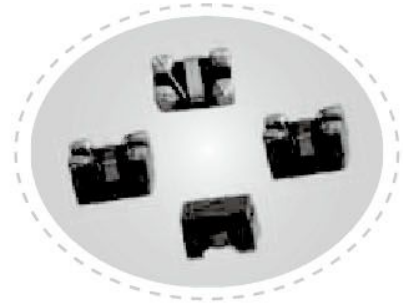




WCM SERIES

On-Board Type EMI Suppression Filters Wire Wound Type Common Mode Filter



WCM series is effective in high frequency noise suppression and suitable for suppression of radiation noise in signal cables. The common mode choke coil structure enables noise suppression without degrading the signal. WCM can be used as a common mode filter for LVDS, USB2.0 and IEEE1394.

WCM系列對高頻之雜訊抑制非常有效,且適合抑制訊號電纜中之輻射雜訊。共模扼流線圈的結構使得雜訊被抑制而不會令訊號衰減。WCM可應用於LVDS、USB2.0及IEEE1394上,作為共模濾波器。

FEATURES

1. High common mode impedance at high frequency effects excellent noise suppression performance.
2. WCM series realizes small size and low profile.
3. The products contain no lead and also support lead-free soldering.

特徵

1. 在高頻的共模抗阻具有很好的雜訊抑制表現。
2. WCM具小尺寸及扁薄外觀。
3. 產品無鉛適合無鉛焊錫。

APPLICATIONS

Common mode noise suppression of signal lines in high speed and high density digital equipment such as personal computers and peripherals.

應用

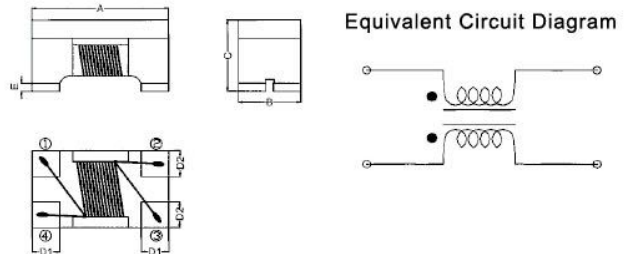
高速訊號線及如個人電腦和電腦周邊之高密度組裝之電子設備的共模雜訊抑制。

ORDERING CODE (標志示例)

WCM 201212 900
(1) (2) (3)

- | | |
|-----------------|-----|
| (1). Type | 類型 |
| (2). Dimensions | 尺寸 |
| (3). Impedance | 阻抗值 |

SHAPE AND DIMENSIONS (形狀尺寸)



Unit:mm

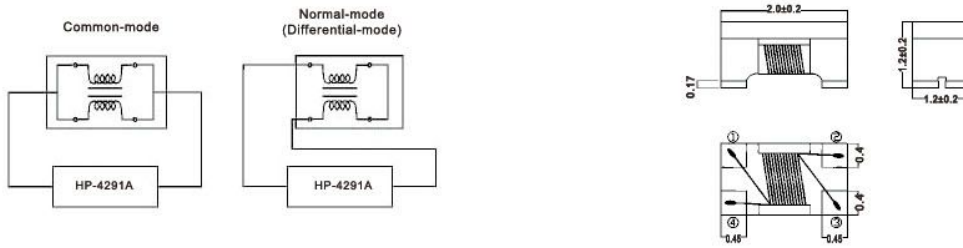
TYPE	A	B	C	D1	D1	E
201212	2.0±0.2	1.2±0.2	1.2±0.2	0.45(typ.)	0.40(typ.)	0.17(typ.)
321620	3.2±0.2	1.6±0.2	2.0±0.2	0.6(typ.)	0.6(typ.)	0.17(typ.)
322527	3.2±0.2	2.5±0.2	2.7±0.2	0.6(typ.)	0.9(typ.)	-



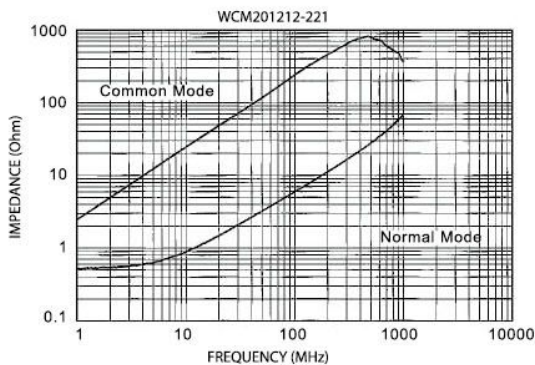
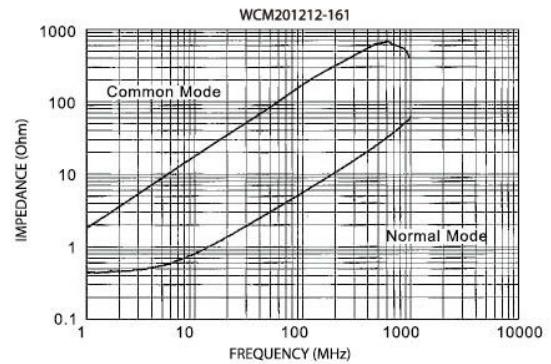
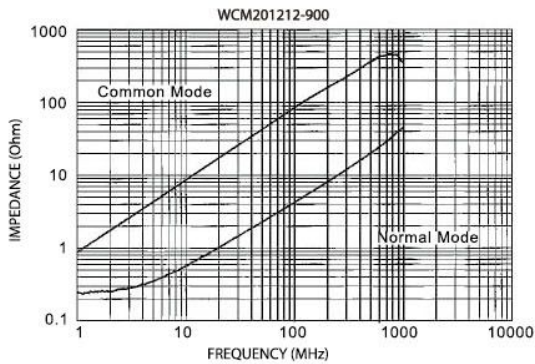
WCM201212 SERIES

Part No. 品名	Common mode Impedance 共模阻抗 (Ω)	D.C.R(Ω) 直流電阻 (Max)	Rated Current 額定電流 (mA)	Rated Voltage 額定電壓 (Vdc)	Withstand Voltage 耐壓 (Vdc)	Insulation Resistance 絕緣電阻 (Ω) Min.
WCM201212-900	90 \pm 25% at 100MHz	0.30	400	50	125	10M
WCM201212-161	160 \pm 25% at 100MHz	0.35	350	50	125	10M
WCM201212-221	220 \pm 25% at 100MHz	0.40	300	50	125	10M

Measuring Circuit



Typical Impedance V.S.Frequency Curve

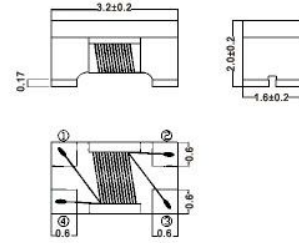
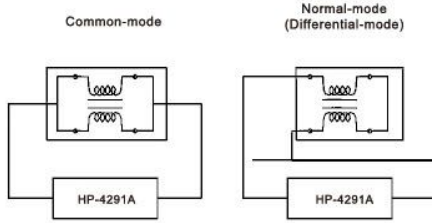




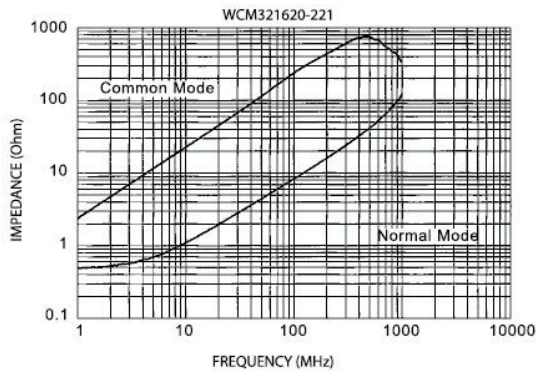
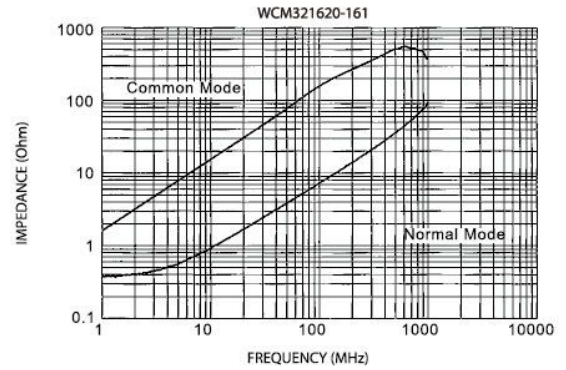
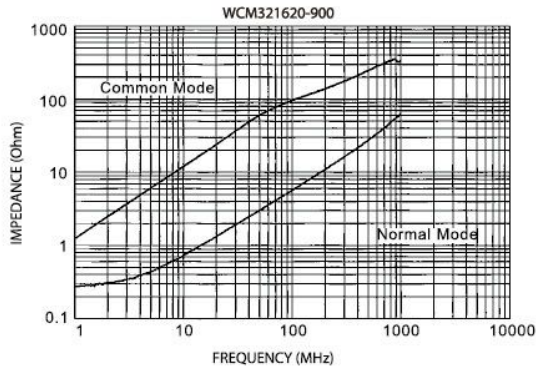
WCM321620 SERIES

Part No. 品名	Common mode Impedance 共模阻抗 (Ω)	D.C.R.(Ω) 直流電阻 (Max)	Rated Current 額定電流 (mA)	Rated Voltage 額定電壓 (Vdc)	Withstand Voltage 耐壓 (Vdc)	Insulation Resistance 絕緣電阻 (Ω) Min.
WCM321620-900	90±25% at 100MHZ	0.30	400	50	125	10M
WCM321620-161	160±25% at 100MHZ	0.35	350	50	125	10M
WCM321620-221	220±25% at 100MHZ	0.45	300	50	125	10M

Measuring Circuit



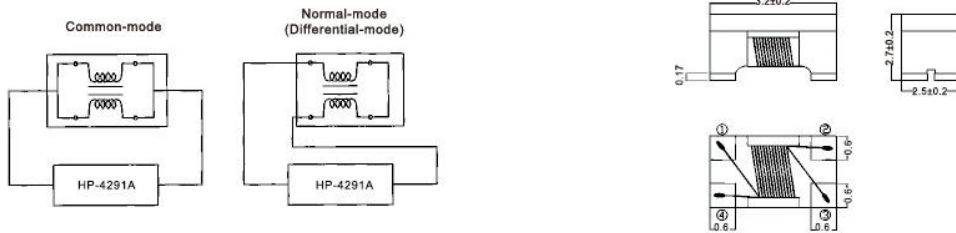
Typical Impedance V.S. Frequency Curve



WCM322527 SERIES

Part No. 品名	Common mode Impedance 共模阻抗 (Ω)	D.C.R(Ω) 直流電阻 (Max)	Rated Current 額定電流 (mA)	Rated Voltage 額定電壓 (Vdc)	Withstand Voltage 耐壓 (Vdc)	Insulation Resistance 絕緣電阻 (Ω) Min.
WCM322527-800	80 \pm 25% at 100MHz	0.15	400	20	125	10M
WCM322527-161	160 \pm 25% at 100MHz	0.20	350	20	125	10M
WCM322527-271	270 \pm 25% at 100MHz	0.30	300	20	125	10M
WCM322527-102	1000 \pm 25% at 100MHz	0.50	200	20	125	10M

Measuring Circuit



Typical Impedance V.S. Frequency Curve

