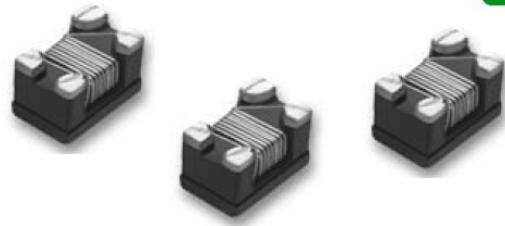


◆ Feature

1. Powerful component with composite co-fired material to solve EMI problem for high-speed differential signal transmission line as USB, IEEE1394 and LVDS, without distortion to high speed signal transmission
2. High coupling constant : 0.99
3. Small size and low profile
4. Various common mode impedance items of 67 to 220 ohm can be used, considering noise level and signal frequency
5. Small dimension enable higher density packaging

◆ Application

Common mode noise suppression of signal lines in high speed and high density digital equipment such as personal computer, facsimiles, modem, and digital telephones.

◆ How to Order

WCM 2012 B 90 0 B E
 (1) (2) (3) (4) (5) (6) (7)

(1) Series Name

(2) Size Code: the first two digitals: length (mm),
the last two digitals: width (mm)

(3) Material Code

(4) Impedance(Ω) $\pm 25\%$

(5) Fixed Decimal Point

(ex : 900=90 Ω ; 121=120 Ω)

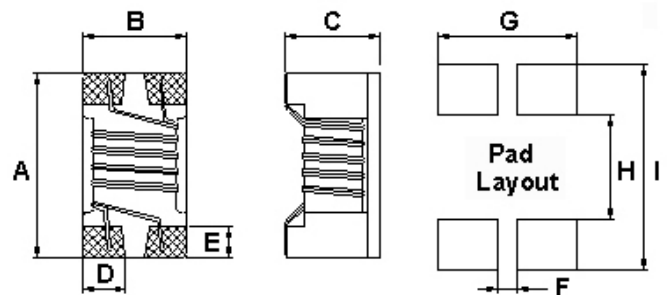
(6) Soldering: Green Parts: B— Lead-Free for whole chip

(7) Packaging: E - Embossed plastic tape, 7" reel.

◆ Dimension

Unit: mm

Size(EIA)	2012B (0805)	2012H (0805)
A	2.05 \pm 0.20	2.05 \pm 0.20
B	1.25 \pm 0.20	1.25 \pm 0.20
C	1.20 \pm 0.20	1.20 \pm 0.20
D	0.50	0.40
E	0.58	0.45
F	0.5	0.5
G	1.2	1.2
H	0.8	0.8
I	2.6	2.6



◆ Specification

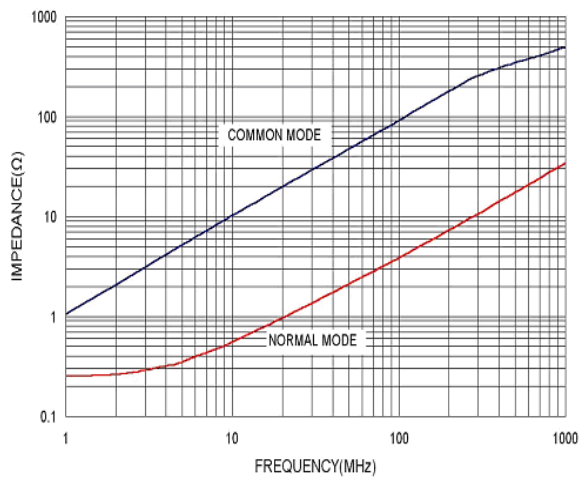
Part Number	Test Freq. (MHz)	Impedance (Ω) \pm 25%	DCR Max. (Ω)	Rated Current (mA)	Rated Voltage (V)	Insulation Resistance Min. (M Ω)
2012B (EIA 0805)						
WCM2012B900BE	100	90	0.35	330	50	10
WCM2012B121BE	100	120	0.30	370	50	10
WCM2012B181BE	100	180	0.35	330	50	10
WCM2012B201BE	100	200	0.35	330	50	10
2012H (EIA 0805)						
WCM2012H900BE	100	145	0.25	170	50	10

◆ General Technical Data

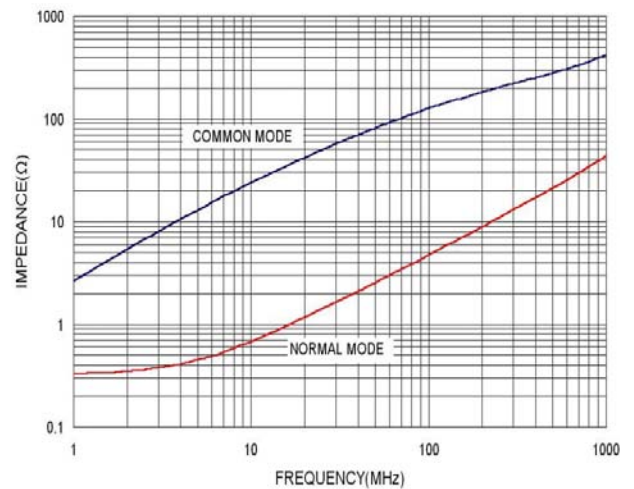
Operating Temperature Range	- 25°C ~ +85°C
Storage Condition	20°C ~ 25°C and 65% RH (For Reference)

◆ Impedance vs. Frequency Characteristics

WCM2012B900BE

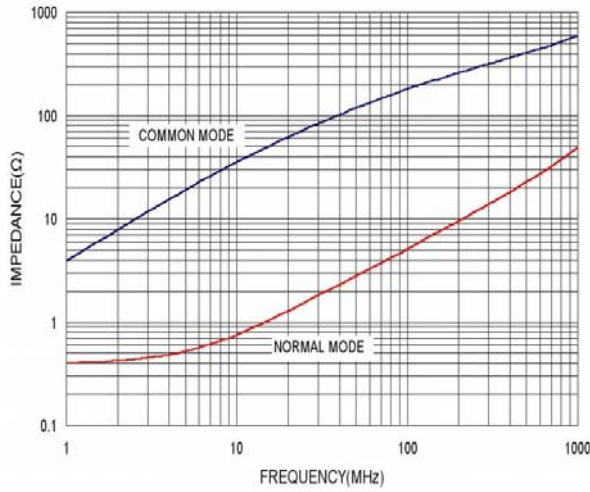


WCM2012B121BE

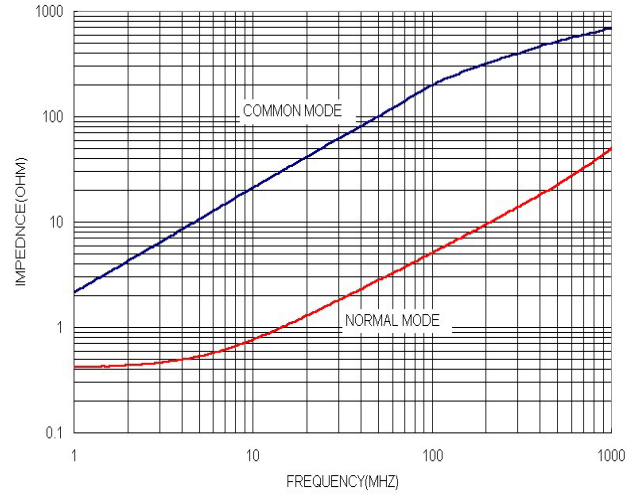


◆ Impedance vs. Frequency Characteristics

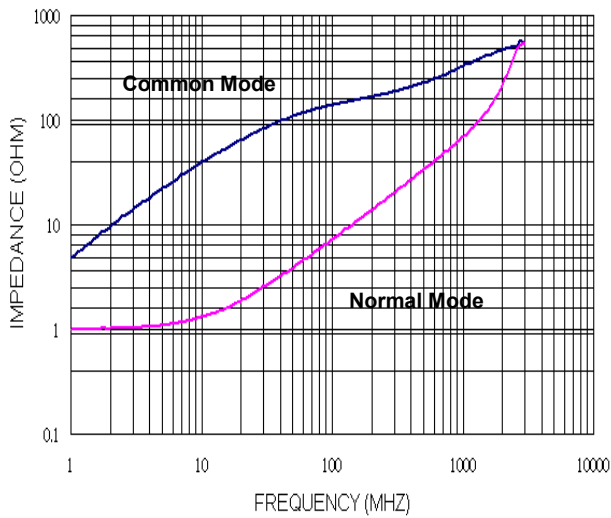
WCM2012B181BE



WCM2012B201BE



WCM2012H900BE



◆ Package

Size (EIA)	2012 (0805)
Standard Packing Quantity (pcs / reel)	2000