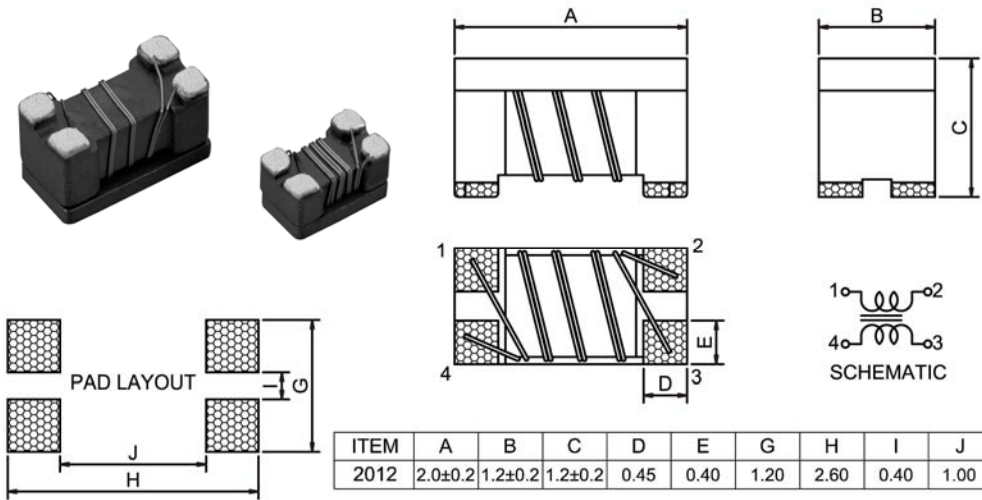


Shape and Size : (Dimensions are in mm)



ITEM	A	B	C	D	E	G	H	I	J
2012	2.0±0.2	1.2±0.2	1.2±0.2	0.45	0.40	1.20	2.60	0.40	1.00

Features :

- High common mode impedance at high frequency effects excellent noise suppression performance .
- Realizes small size and low profile .

Ordering Information :

SMD WCM 2012 H3 - 900 - 2P

(1) (2) (3) (4) (5) (6)

- (1) Type : **Surface Mount Devices.**
- (2) Style : Wire **W**ound Type **C**ommon **M**ode Filter.
- (3) Dimension: **L**=2.0mm, **W**=1.2mm.
- (4) Design Code.

(5) High frequency Application

(6) 2P: **2 Lines.**

Characteristics :

- Rated DC Current: The current when temperature of coil increases up to Max. $\Delta T=30^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)
- Rated voltage : DC 50V.
- Dielectric strength : 125VDC(1minute between lines)
- Insulation resistance : 10M Ω Min(100VDC, between lines).
- Operating temp. : -25 $^{\circ}\text{C}$ to 85 $^{\circ}\text{C}$.

Part No.	Impedance @100MHz (Ω) \pm 25%	DCR (Ω) Max.	Rated DC Current (mA)
SMDWCM2012H3-900-2P	65 (90 typ.)	0.25	300

Test equipments :

- Impedance: Agilent E4991A RF Impedance analyzer with Agilent 16197A test fixture .
- DCR: Milli-ohm meter .
- Electrical specifications at 25 $^{\circ}\text{C}$.

Applications :

- Interface : LVDS for LCD, USB 2.0, IEEE 1394 ,HDMI.
- Notebooks, personal computers and peripherals .
- High density digital equipments .

Notes :

The impedance may depend on the customer demand design

Typical Impedance v.s. Frequency Curve :

