



SMDWCMU SERIES

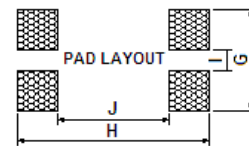
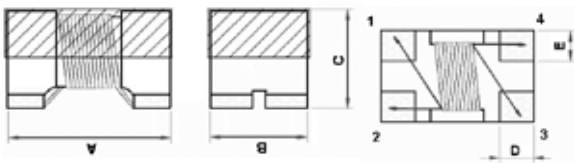
WIRE WOUND TYPE COMMON MODE FILTER

Applications :

- Interface:LVDS for LCD,USB2.0, IEEE1394.
- Notebooks, personal computers and peripherals.
- High density digital equipments.



Shape and Dimensions (Dimensions are in mm) :



| Item | A ± 0.2 | B + 0.3/-0.2 | C ± 0.2 | D | E |
|------|---------|--------------|---------|------|------|
| 2012 | 2.10 | 1.20 | 1.00 | 0.45 | 0.40 |

| Item | G | H | I | J |
|------|------|------|------|------|
| 2012 | 1.20 | 2.60 | 0.40 | 0.80 |

Features :

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

Product Identification :

SMD WCM U 2012 S - 900 2P

(1) (2) (3) (4) (5) (6) (7)

- (1) Type : Surface Mount Devices.
- (2) Style : Wire Wound Type Common Mode Filter.
- (3) UV Epoxy.
- (4) Dimension : L=2.1mm, W=1.2mm.
- (5) Design Code.
- (6) Impedance : 900 for 90Ω.
- (7) 2P : 2 Lines.

Characteristics :

- Rated Current: The current when temperature of coil increase up to max.Δ T=30°C. (Ta=20°C)
- Rated voltage: DC 50V.
- Dielectric strength:125VDC (1minute between lines)
- Insulation resistance :10MΩ Min(100VDC,between Lines).
- Operating Temperature : -25°C to 85°C

Test equipments :

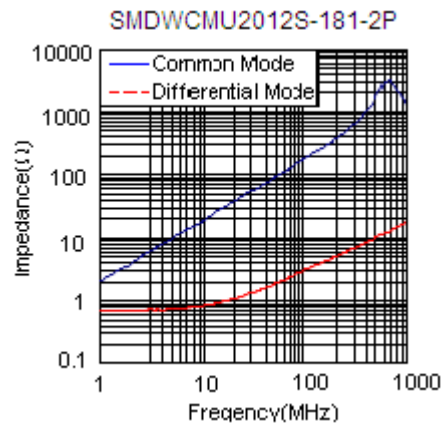
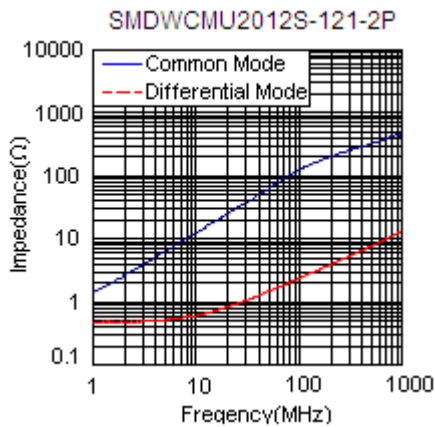
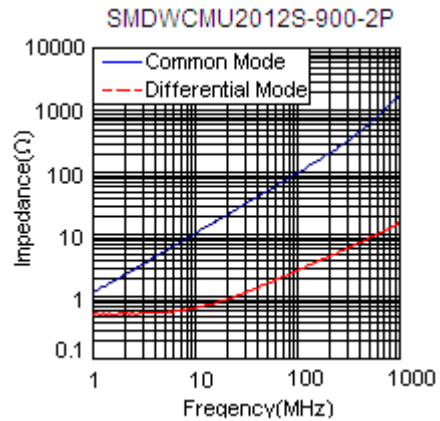
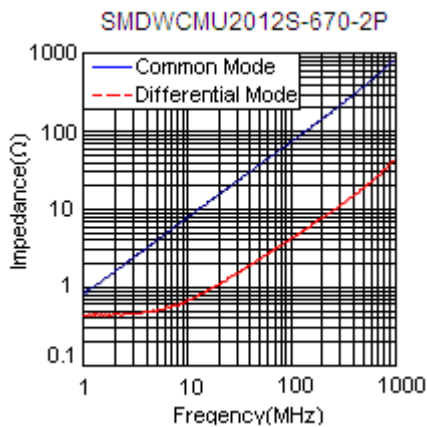
- Impedance: Agilent E4991A RF Impedance analyzer with Agilent 16197A test fixture.
- DCR: Milli-ohm meter.
- Electrical specifications at 25°C.



● **SMDWCM2012S series**

| Part No. | Impedance @100MHz (Ω) \pm 25% | DCR (Ω) Max. | Rated Current (mA) Max. |
|---------------------|--|-----------------------------|-------------------------------|
| SMDWCMU2012S-670-2P | 67 | 0.35 | 330 |
| SMDWCMU2012S-900-2P | 90 | 0.35 | 330 |
| SMDWCMU2012S-121-2P | 120 | 0.45 | 280 |
| SMDWCMU2012S-181-2P | 180 | 0.50 | 250 |

Typical performance curves :



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.