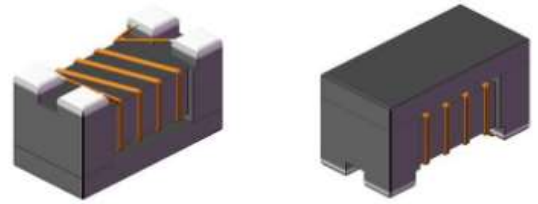


SMDWCM SERIES

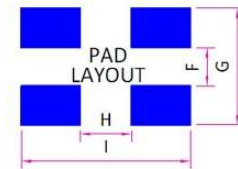
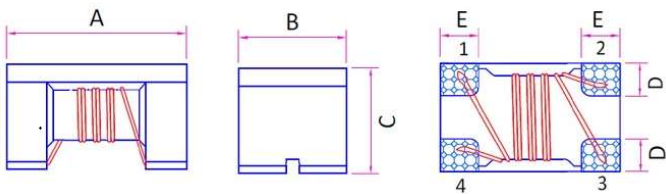
WIRE WOUND TYPE COMMON MODE FILTER.

Applications:

- Interface: LVDS for LCD, USB2.0, IEEE 1394.
- Notebooks, personal computers and peripherals.



Shape and Dimensions (Dimensions are in mm) :



Item	A ± 0.2	B ± 0.2	C ± 0.2	D	E
2012	2.00	1.20	1.20	0.46	0.55
3216	3.20	1.60	1.90	0.60	0.70
3225	3.20	2.50	2.10	0.90	0.80
4532	4.50	3.20	2.80	1.00	1.20

Item	G	H	I	F
2012	1.25	0.80	2.60	0.40
3216	1.60	1.90	3.50	0.40
3225	2.50	2.20	4.00	0.90
4532	3.60	3.40	5.10	1.05

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

Characteristics :

- Rated 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 Temperature : -40°C to 85°C .

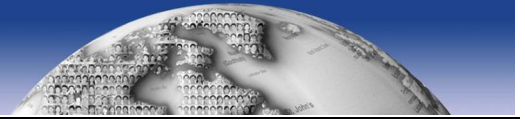
SMD WCM 2012 D - 900 - 2P

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

- (1) Type : Surface Mount Devices.
- (2) Style : Wire Wound Type Common Mode Filter.
- (3) Dimension : L=2.05mm, W=1.25mm.
- (4) Design Code.
- (5) Impedance : 900 for 90 Ω .
- (6) 2P : 2 Lines.

Test equipments :

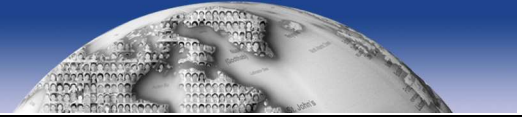
- Impedance : Agilent E4991A RF Impedance analyzer with Agilent 16197A test fixture.
- DCR : Milli-ohm meter.
- Electrical specifications at 25°C .


● SMDWCM2012D series

Part No.	Z (Ω)	Freq (MHz)	DCR (Ω)Max	Irms (mA)Max	Rated Voltage Volts	Insulation Resistance (MΩ) Min
SMDWCM2012D-300-2P	30±25%	100	0.20	450	50	10
SMDWCM2012D-500-2P	50±25%	100	0.25	400	50	10
SMDWCM2012D-670-2P	67±25%	100	0.25	400	50	10
SMDWCM2012D-900-2P	90±25%	100	0.35	330	50	10
SMDWCM2012D-121-2P	120±25%	100	0.30	370	50	10
SMDWCM2012D-181-2P	180±25%	100	0.35	330	50	10
SMDWCM2012D-221-2P	220±25%	100	0.40	300	50	10
SMDWCM2012D-261-2P	260±25%	100	0.40	300	50	10
SMDWCM2012D-361-2P	360±25%	100	0.55	280	50	10
SMDWCM2012D-601-2P	600±25%	100	0.60	220	50	10
SMDWCM2012D-801-2P	800±25%	100	0.88	300	50	10
SMDWCM2012D-901-2P	900±25%	100	0.90	150	50	10
SMDWCM2012D-102-2P	1000±25%	100	1.30	150	50	10

● SMDWCM3216D series

Part No.	Z (Ω)	Freq (MHz)	DCR (Ω)Max	Irms (mA)Max	Rated Voltage Volts	Insulation Resistance (MΩ) Min
SMDWCM3216D-900-2P	90±25%	100	0.30	370	50	10
SMDWCM3216D-120-2P	120±25%	100	0.30	350	50	10
SMDWCM3216D-161-2P	160±25%	100	0.40	340	50	10
SMDWCM3216D-221-2P	220±25%	100	0.45	300	50	10
SMDWCM3216D-261-2P	260±25%	100	0.50	310	50	10
SMDWCM3216D-331-2P	330±25%	100	0.60	300	50	10
SMDWCM3216D-361-2P	360±25%	100	0.60	300	50	10
SMDWCM3216D-601-2P	600±25%	100	0.80	260	50	10
SMDWCM3216D-801-2P	800±25%	100	0.90	240	50	10
SMDWCM3216D-102-2P	1000±25%	100	1.00	230	50	10
SMDWCM3216D-142-2P	1400±25%	100	1.00	220	50	10
SMDWCM3216D-202-2P	2000±25%	100	1.20	200	50	10
SMDWCM3216D-222-2P	2200±25%	100	1.20	200	50	10



● **SMDWCM3225D series**

Part No.	Z (Ω)	Freq (MHz)	DCR (Ω)Max	Irms (mA)Max	Rated Voltage Volts	Insulation Resistance (MΩ) Min
SMDWCM3225D-800-2P	80±25%	100	0.12	640	50	10
SMDWCM3225D-161-2P	160±25%	100	0.15	480	50	10
SMDWCM3225D-271-2P	270±25%	100	0.25	450	50	10
SMDWCM3225D-501-2P	500±25%	100	0.30	1000	50	10
SMDWCM3225D-601-2P	600±25%	100	0.20	1000	50	10
SMDWCM3225D-801-2P	800±25%	100	0.35	350	50	10
SMDWCM3225D-102-2P	1000±25%	100	0.35	480	50	10

● **SMDWCM4532D series**

Part No.	Z (Ω)	Freq (MHz)	DCR (Ω)Max	Irms (mA)Max	Rated Voltage Volts	Insulation Resistance (MΩ) Min
SMDWCM4532D-800-2P	80±25%	100	0.05	3000	50	10
SMDWCM4532D-900-2P	90±25%	100	0.09	3000	50	10
SMDWCM4532D-121-2P	120±25%	100	0.10	3000	50	10
SMDWCM4532D-221-2P	220±25%	100	0.10	1300	50	10
SMDWCM4532D-231-2P	230±25%	100	0.10	1300	50	10
SMDWCM4532D-601-2P	600±25%	100	0.12	1000	50	10
SMDWCM4532D-801-2P	800±25%	100	0.16	900	50	10
SMDWCM4532D-102-2P	1000±25%	100	0.18	800	50	10
SMDWCM4532D-142-2P	1400±25%	100	0.20	700	50	10

* 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.