

Wire Wound Chip Common Mode Choke Coil – SDCW Series



Operating temp.: -40°C ~+85°C

FEATURES

- ◆ Winding type realizes small size and low profile.
- ◆ Prevention of common mode noise at high frequency.
- ◆ 30Ω~2200Ω are optional for different noise level and signal frequency.
- ◆ Excellent solderability.

APPLICATIONS

- ◆ USB2.0 of PC, peripheral equipments, small digital AV equipments, etc.
- ◆ LVDS lines of Note PC, LCD
- ◆ Audio lines

PRODUCT IDENTIFICATION

1	2	3	4	5	6	7
SDCW	2012	(L)	-2	-900	T	F

1 Type	
SDCW	Winding Type Common Mode Choke Coil

2 External Dimensions (L×W) (mm)	
2012 [0805]	2.0×1.2
3216 [1206]	3.2×1.6

3 Code	
L	Larger Current

4 Number of Lines	
2	

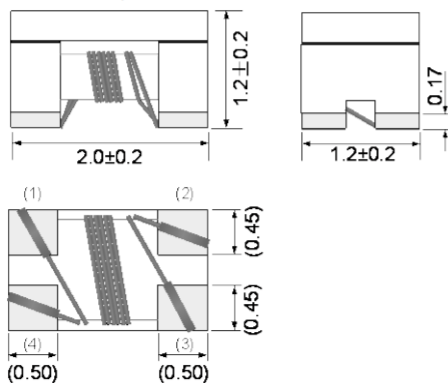
5 Impedance	
Example	Nominal Value
900	90Ω

6 Packing	
T	Tape & Reel

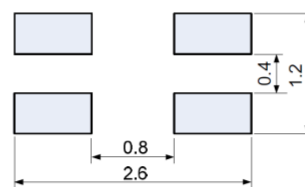
7 Hazardous Substance Free Products	
F	

SHAPE AND DIMENSIONS

SDCW2012 Type



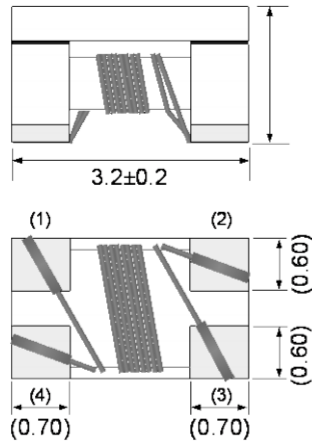
Recommended Land Pattern



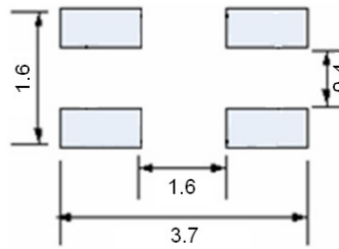
Unit: mm

SHAPE AND DIMENSIONS

SDCW3216 Type



Recommended Land Pattern



Unit: mm

SPECIFICATIONS

SDCW2012(L) TYPE

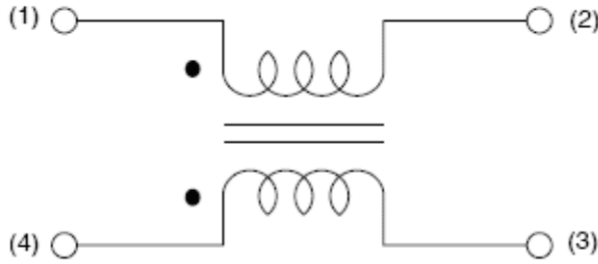
Part Number	Common Mode Impedance @ 100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW2012-2-300TF	30±25%	0.20	450	50	10
SDCW2012-2-670TF	67±25%	0.25	400	50	10
SDCW2012-2-750TF	75±25%	0.25	400	50	10
SDCW2012-2-900TF	90±25%	0.35	330	50	10
SDCW2012-2-121TF	120±25%	0.30	370	50	10
SDCW2012-2-181TF	180±25%	0.35	330	50	10
SDCW2012-2-201TF	200±25%	0.40	300	50	10
SDCW2012-2-221TF	220±25%	0.40	300	50	10
SDCW2012-2-261TF	260±25%	0.40	300	50	10
SDCW2012-2-361TF	360±25%	0.45	280	50	10
SDCW2012-2-371TF	370±25%	0.45	280	50	10
SDCW2012-2-471TF	470±25%	0.77	240	50	10
SDCW2012-2-601TF	600±25%	0.55	200	50	10
SDCW2012-2-751TF	750±25%	0.70	180	50	10
SDCW2012-2-901TF	900±25%	0.80	150	50	10
SDCW2012-2-102TF	1000±25%	0.80	150	50	10
SDCW2012L-2-900TF	90±25%	0.19	400	50	10
SDCW2012L-2-121TF	120±25%	0.22	370	50	10
SDCW2012L-2-201TF	200±25%	0.25	350	50	10

SDCW3216 TYPE

Part Number	Common Mode Impedance @ 100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW3216-2-900TF	90±25%	0.30	370	50	10
SDCW3216-2-161TF	160±25%	0.40	340	50	10
SDCW3216-2-261TF	260±25%	0.50	310	50	10
SDCW3216-2-601TF	600±25%	0.80	260	50	10
SDCW3216-2-102TF	1000±25%	1.00	230	50	10
SDCW3216-2-222TF	2200±25%	1.20	200	50	10

※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

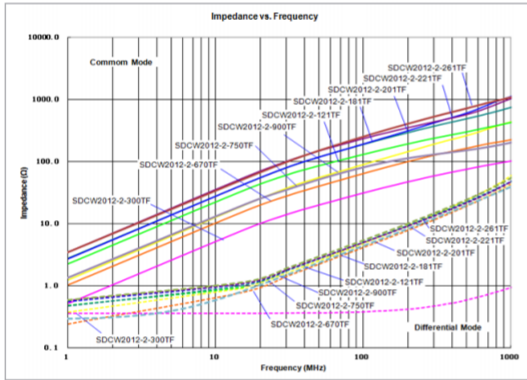
**EQUIVALENT
CIRCUIT**



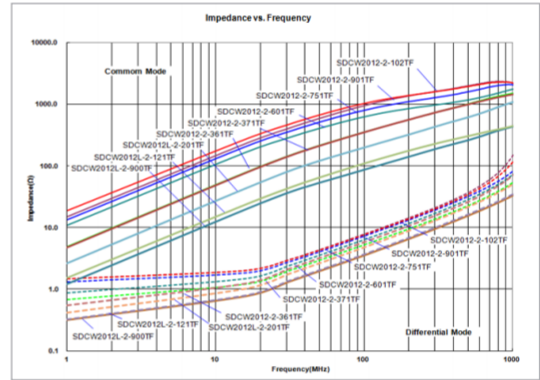
**TYPICAL ELECTRICAL
CHARACTERISTICS**

Impedance vs. Frequency

SDCW2012 TYPE
(30~260Ω)



SDCW2012 TYPE
(360~1000Ω)



SDCW3216 TYPE
(90~2200Ω)

