Wire Wound Chip Common Mode Choke Coil – SDCW Series

Operating temp.: -40°C ~+85°C



FEATURES

- Winding type realizes small size and low frofile.
- 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

6

Packing	
T	Tape & Reel

4

Number of Lines
2

5

Impedance	
Example	Nominal Value
900	90Ω

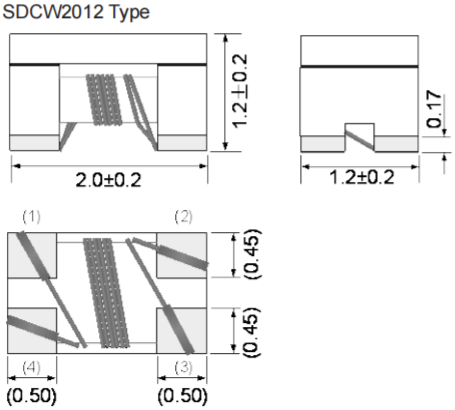
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Hazardous Substance Free Products
F

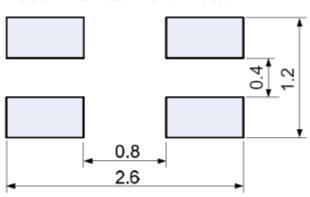
SHAPE AND DIMENSIONS

SDCW2012 Type

Unit: mm



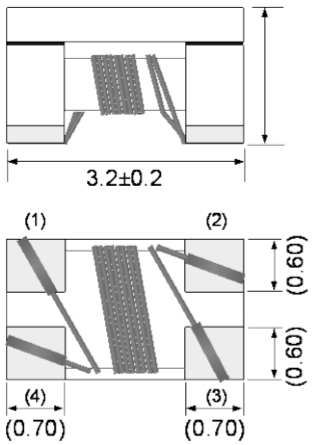
Recommended Land Pattern



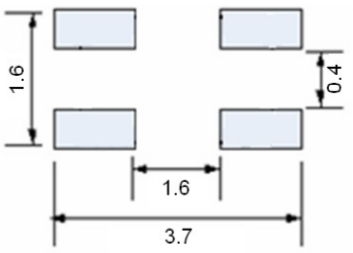
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SHAPE AND DIMENSIONS

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	MΩ
Symbol	Z	DCR	Ir	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

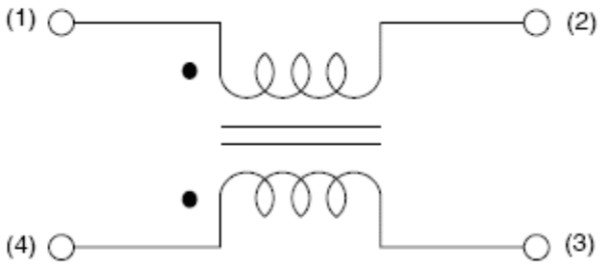
Part Number	Common Mode Impedance @ 100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	MΩ
Symbol	Z	DCR	Ir	V_{DC}	IR
SDCW3216-2-900TF	90±25%	0.30	370	50	10
SDCW3216-2-161TF	160±25%	0.40	340	50	10
SDCW3216-2-261TF	260±25%	0.50	310	50	10
SDCW3216-2-601TF	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.

All information and data presented in this Catalog are for information only. You are requested to approve our product specification before your ordering.

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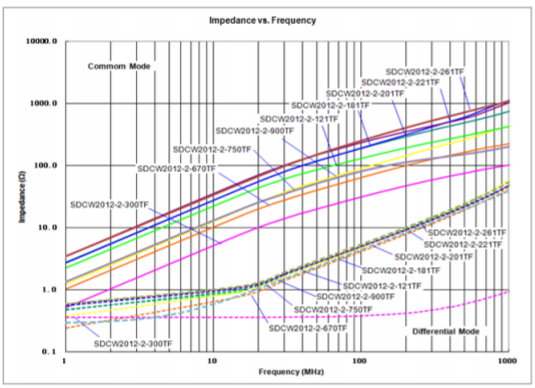
EQUIVALENT CIRCUIT



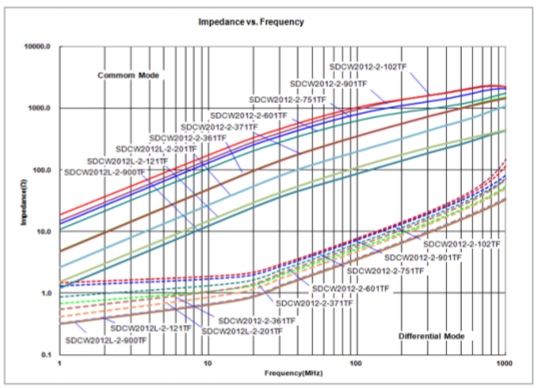
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

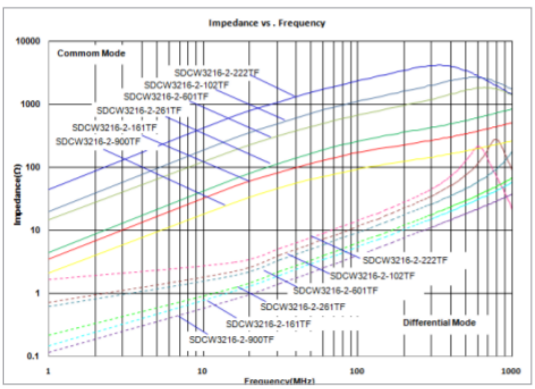
SDCW2012 TYPE
(30~260Ω)



SDCW2012 TYPE
(360~1000Ω)



SDCW3216 TYPE
(90~2200Ω)



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