

- 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

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

PRODUCT IDENTIFICATION

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Type	
SDCW	Winding Type Common Mode Choke Coil

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

Number of Lines	
2	

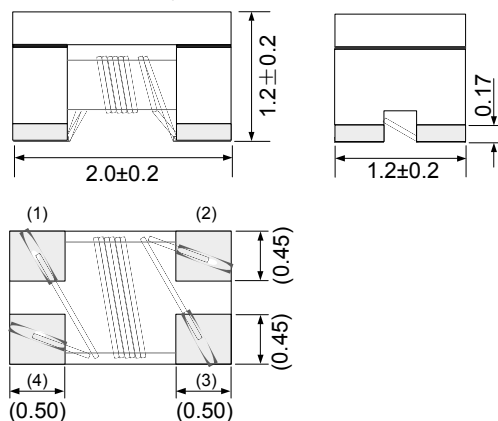
Impedance	
Example	Nominal Value
900	90Ω

Packing	
T	Tape & Reel

Hazardous Substance Free Products	
F	

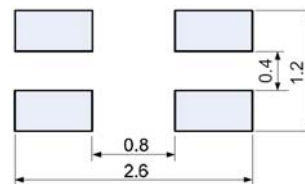
SHAPE AND DIMENSIONS

SDCW2012 Type



Recommended Land Pattern

Unit: mm



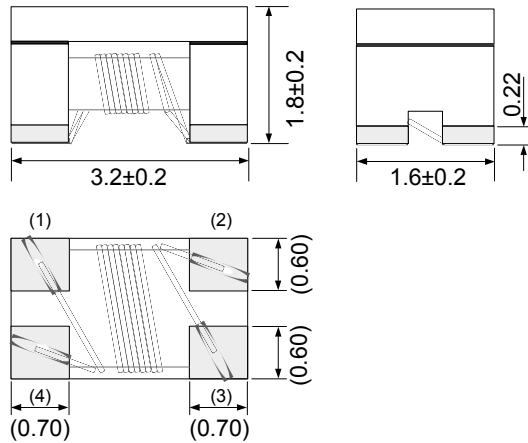
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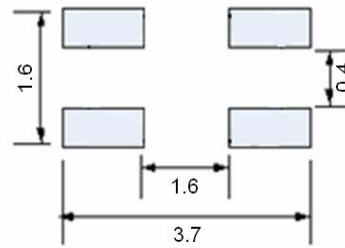
SHAPE AND DIMENSIONS

SDCW3216 Type



Recommended Land Pattern

Unit: mm



SPECIFICATIONS

SDCW2012 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	$30 \pm 25\%$	0.20	450	50	10
SDCW2012-2-670TF	$67 \pm 25\%$	0.25	400	50	10
SDCW2012-2-900TF	$90 \pm 25\%$	0.35	330	50	10
SDCW2012-2-121TF	$120 \pm 25\%$	0.30	370	50	10
SDCW2012-2-181TF	$180 \pm 25\%$	0.35	330	50	10
SDCW2012-2-201TF	$200 \pm 25\%$	0.40	300	50	10
SDCW2012-2-221TF	$220 \pm 25\%$	0.40	300	50	10
SDCW2012-2-261TF	$260 \pm 25\%$	0.40	300	50	10
SDCW2012-2-361TF	$360 \pm 25\%$	0.45	280	50	10
SDCW2012-2-371TF	$370 \pm 25\%$	0.45	280	50	10
SDCW2012-2-601TF	$600 \pm 25\%$	0.55	200	50	10
SDCW2012-2-751TF	$750 \pm 25\%$	0.70	180	50	10
SDCW2012-2-901TF	$900 \pm 25\%$	0.80	150	50	10
SDCW2012-2-102TF	$1000 \pm 25\%$	0.80	150	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	$90 \pm 25\%$	0.30	370	50	20
SDCW3216-2-161TF	$160 \pm 25\%$	0.40	340	50	10
SDCW3216-2-261TF	$260 \pm 25\%$	0.50	310	50	10
SDCW3216-2-601TF	$600 \pm 25\%$	0.80	260	50	10
SDCW3216-2-102TF	$1000 \pm 25\%$	1.00	230	50	10
SDCW3216-2-222TF	$2200 \pm 25\%$	1.20	200	50	10

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

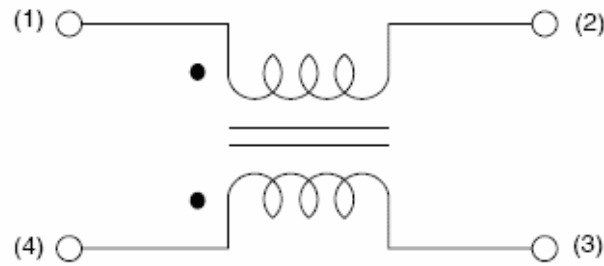
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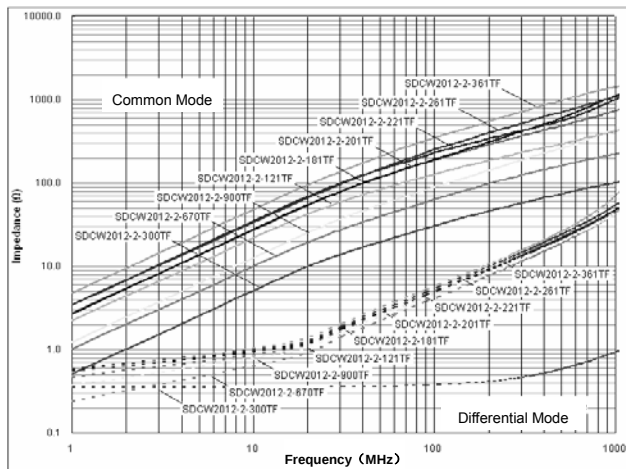
EQUIVALENT CIRCUIT



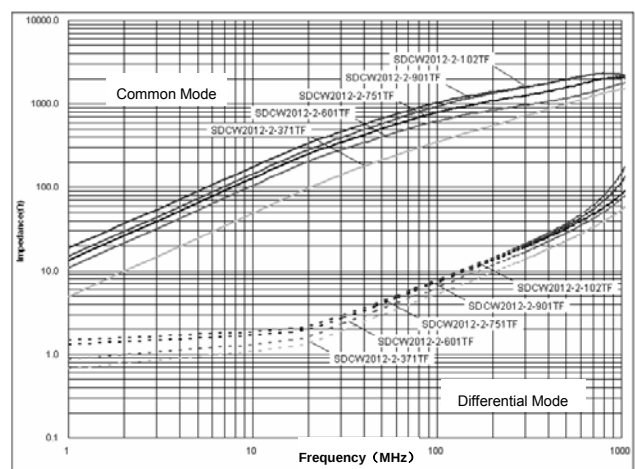
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

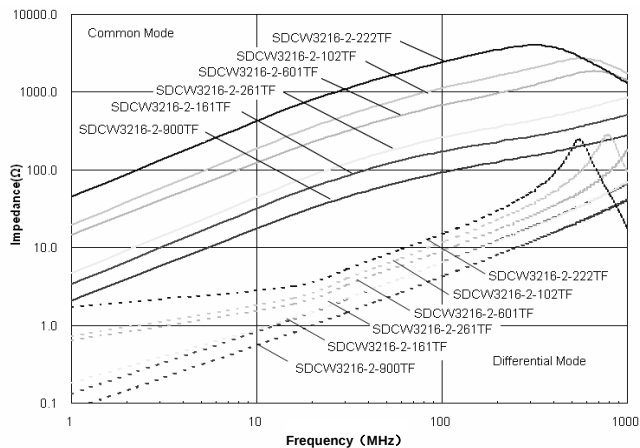
SDCW2012 TYPE
(30~360Ω)



SDCW2012 TYPE
(370~1000Ω)



SDCW3216 TYPE



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