

Wire Wound Chip Common Mode Choke Coil – ECCW 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

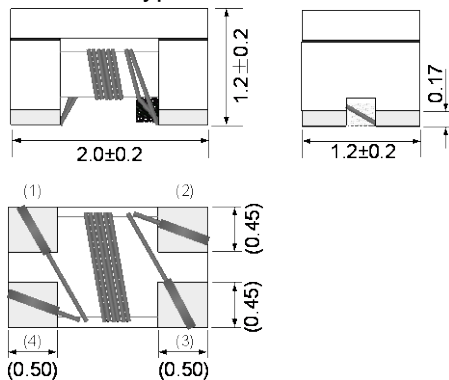
- USB2.0 of PC, peripheral equipments, small digital AV equipments, etc.
- LVDS lines of Note PC, LCD
- Audio lines

PRODUCT IDENTIFICATION

<u>ECCW</u> ①	<u>2012</u> ②	<u>(L)</u> ③	<u>-2</u> ④	<u>-900</u> ⑤	<u>T</u> ⑥	<u>F</u> ⑦
①	②		③		④	
Type		External Dimensions (LxW) (mm)		Code		
ECCW	Winding Type Common Mode Choke Coil		2012 [0805]	2.0x1.2	L	Larger Current
			3216 [1206]	3.2x1.6		
④		⑥		⑦		
Number of Lines		Packing		Hazardous Substance Free Products		
2		T		Tape & Reel		
⑤		⑦				
Impedance		F				
Example	Nominal Value					
900	90Ω					

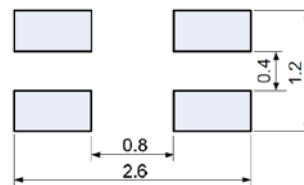
SHAPE AND DIMENSIONS

ECCW2012 Type



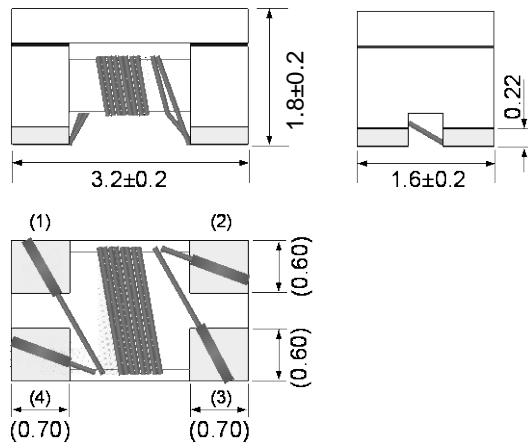
Recommended Land Pattern

Unit: mm



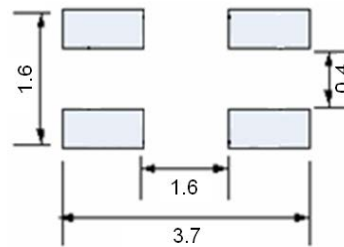
SHAPE AND DIMENSIONS

ECCW3216 Type



Recommended Land Pattern

Unit: mm



SPECIFICATIONS

ECCW2012(L) TYPE

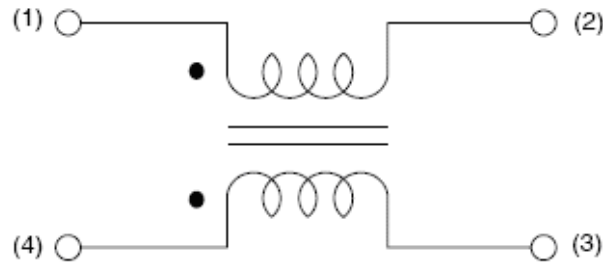
Part Number	Common Mode Impedance @100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	IR
ECCW2012-2-300TF	30±25%	0.20	450	50	10
ECCW2012-2-670TF	67±25%	0.25	400	50	10
ECCW2012-2-750TF	75±25%	0.25	400	50	10
ECCW2012-2-900TF	90±25%	0.35	330	50	10
ECCW2012-2-121TF	120±25%	0.30	370	50	10
ECCW2012-2-181TF	180±25%	0.35	330	50	10
ECCW2012-2-201TF	200±25%	0.40	300	50	10
ECCW2012-2-221TF	220±25%	0.40	300	50	10
ECCW2012-2-261TF	260±25%	0.40	300	50	10
ECCW2012-2-361TF	360±25%	0.45	280	50	10
ECCW2012-2-371TF	370±25%	0.45	280	50	10
ECCW2012-2-601TF	600±25%	0.55	200	50	10
ECCW2012-2-751TF	750±25%	0.70	180	50	10
ECCW2012-2-901TF	900±25%	0.80	150	50	10
ECCW2012-2-102TF	1000±25%	0.80	150	50	10
ECCW2012L-2-900TF	90±25%	0.19	400	50	10
ECCW2012L-2-121TF	120±25%	0.22	370	50	10
ECCW2012L-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
ECCW3216-2-900TF	90±25%	0.30	370	50	10
ECCW3216-2-161TF	160±25%	0.40	340	50	10
ECCW3216-2-261TF	260±25%	0.50	310	50	10
ECCW3216-2-601TF	600±25%	0.80	260	50	10
ECCW3216-2-102TF	1000±25%	1.00	230	50	10
ECCW3216-2-222TF	2200±25%	1.20	200	50	10

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

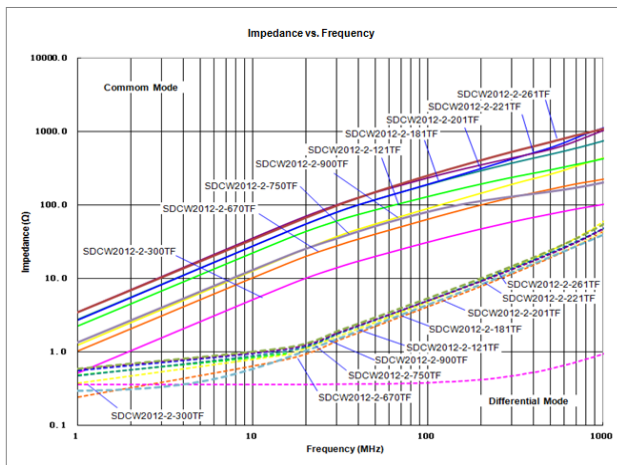
EQUIVALENT CIRCUIT



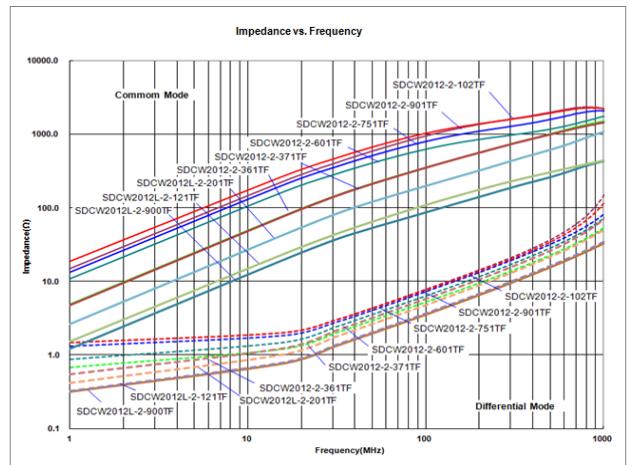
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

ECCW2012 TYPE
(30~260Ω)



ECCW2012 TYPE
(360~1000Ω)



ECCW3216 TYPE
(90~2200Ω)

