

# Wire Wound Chip Common Mode Choke Coil – SDCW-H Series

Operating Temp. : -40°C~+85°C



## FEATURES

- Winding type realizes small size and low profile
- Suppress noise for the high-speed differential signal lines
- Excellent solder ability

## APPLICATIONS

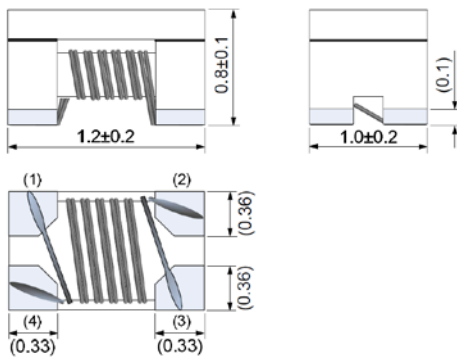
- High speed differential signal lines for HDMI, DVI, etc

## PRODUCT IDENTIFICATION

<u>SDCW</u> ①	<u>2012</u> ②	<u>H</u> ③	<u>-2</u> ④	<u>-900</u> ⑤	<u>T</u> ⑥	<u>F</u> ⑦																																
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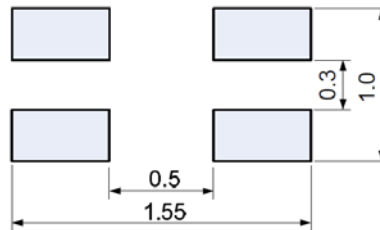
## SHAPE AND DIMENSIONS

### SDCW1210H TYPE

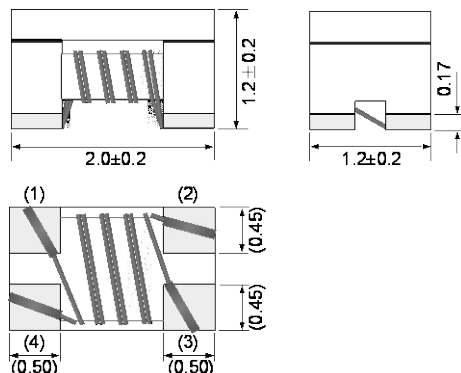


### Recommended Land Pattern

Unit: mm

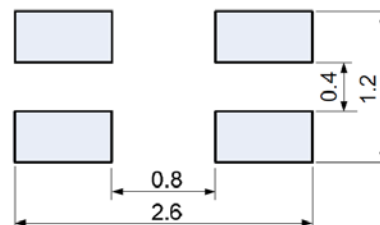


### SDCW2012H TYPE



### Recommended Land Pattern

Unit: mm



## SPECIFICATIONS

### SDCW1210H TYPE

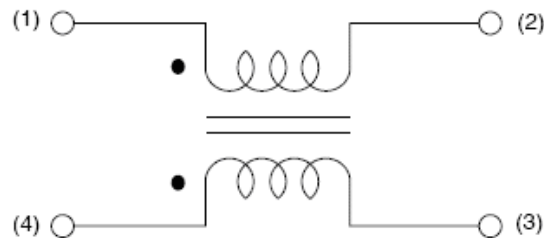
Part Number	Common Mode Impedance @100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	$\Omega$	$\Omega$	mA	Volts	M $\Omega$
Symbol	Z	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
SDCW1210H-2-350TF	35±25%	0.32	320	20	10
SDCW1210H-2-900TF	90±25%	0.50	280	20	10

### SDCW2012H TYPE

Part Number	Common Mode Impedance @100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	$\Omega$	$\Omega$	mA	Volts	M $\Omega$
Symbol	Z	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
SDCW2012H-2-670TF	67±25%	0.30	320	20	10
SDCW2012H-2-900TF	90±25%	0.40	280	20	10
SDCW2012H-2-121TF	120±25%	0.40	280	20	10

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

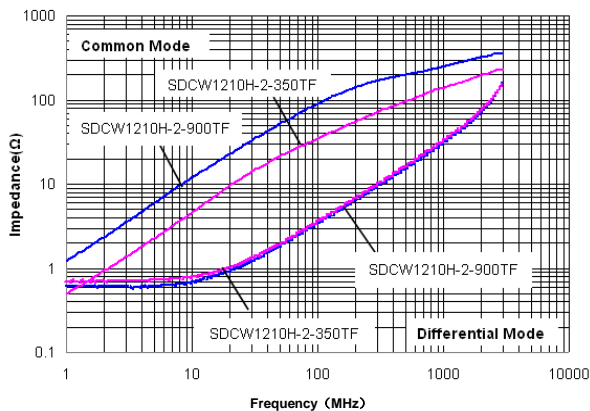
## EQUIVALENT CIRCUIT



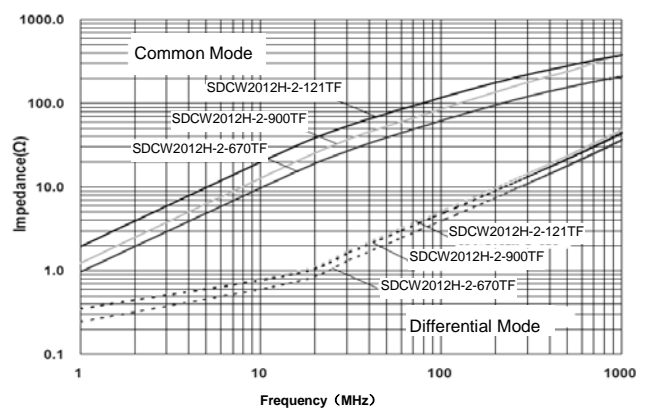
## TYPICAL ELECTRICAL CHARACTERISTICS

### Impedance vs. Frequency

#### SDCW1210H TYPE



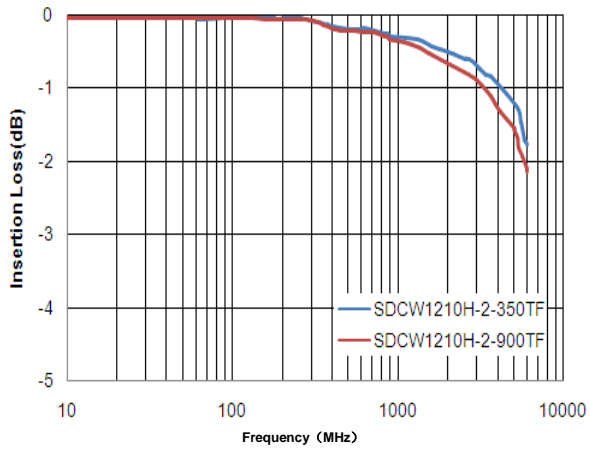
#### SDCW2012H TYPE



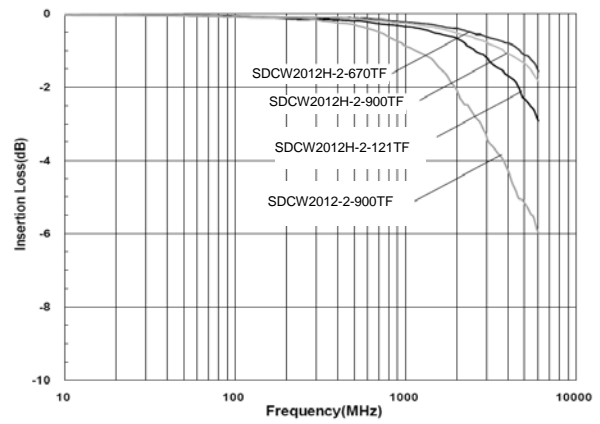
# TYPICAL ELECTRICAL CHARACTERISTICS

## Insertion Loss

### SDCW1210H TYPE

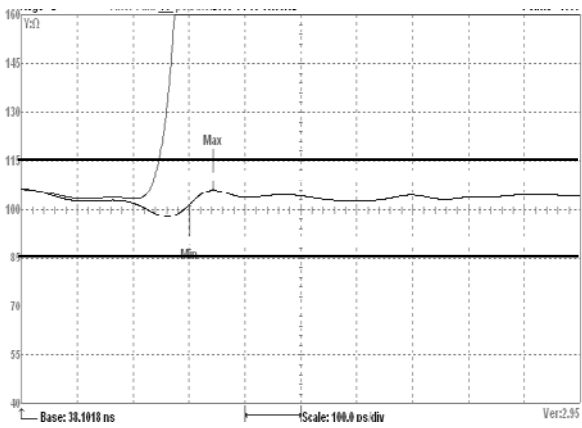


### SDCW2012H TYPE



## Differential Mode Impedance Characteristics

### SDCW2012H-2-900TF



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