

# 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**

1	2	3	4	5	6	7
<b>SDCW</b>	<b>2012</b>	<b>H</b>	<b>-2</b>	<b>-900</b>	<b>T</b>	<b>F</b>

1 Type	
SDCW	Winding Type Common Mode Choke Coil

2 External Dimensions (L×W) (mm)	
1210 [0504]	1.2×1.0
2012 [0805]	2.0×1.2

3 Code	
H	For High-speed Differential Signal Lines

4 Number of Lines	
2	

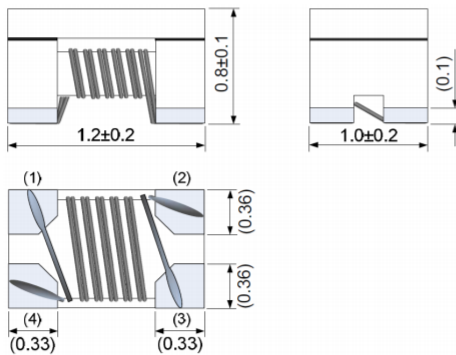
5 Impedance	
Example	Nominal Value
900	90Ω

7 Hazardous Substance Free Products	
F	

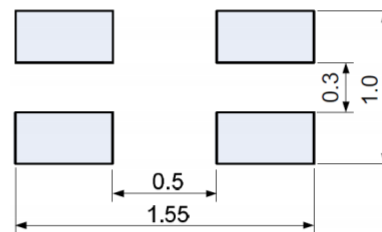
6 Packing	
T	Tape & Reel

**SHAPE AND DIMENSIONS**

SDCW1210H TYPE



Recommended Land Pattern



Unit: mm

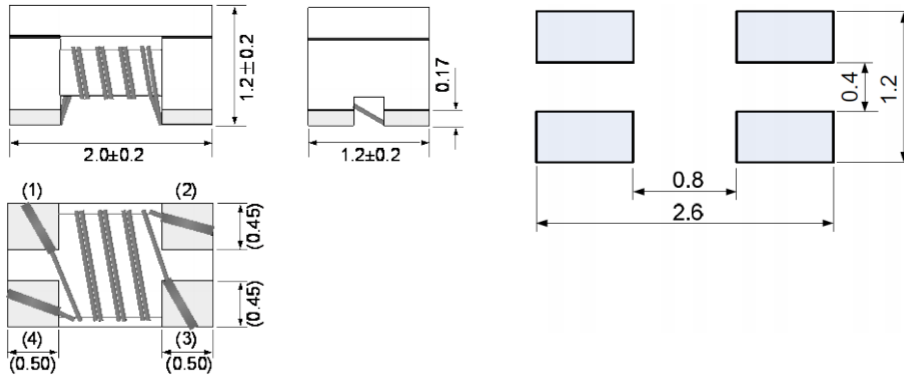
Multilayer Chip Ferrite Bead  
 Wire Wound Ferrite Bead  
 Multilayer Chip Common Mode Filter  
 Wire Wound Chip Common Mode Choke Coil for Signal Line

**SHAPE AND DIMENSIONS**

**SDCW2012H TYPE**

**Recommended Land Pattern**

Unit: mm



**SPECIFICATIONS**

**SDCW1210H TYPE**

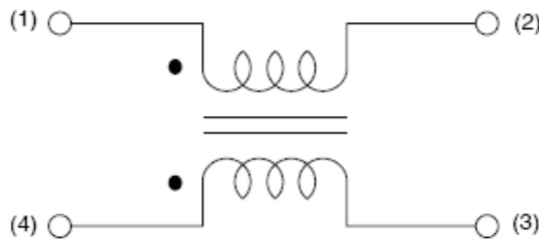
Part Number	Common Mode Impedance @ 100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	$\Omega$	$\Omega$	mA	Volts	M $\Omega$
Symbol	Z	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
SDCW1210H-2-350TF	35±25%	0.32	320	20	10
SDCW1210H-2-900TF	90±25%	0.50	280	20	10

**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.

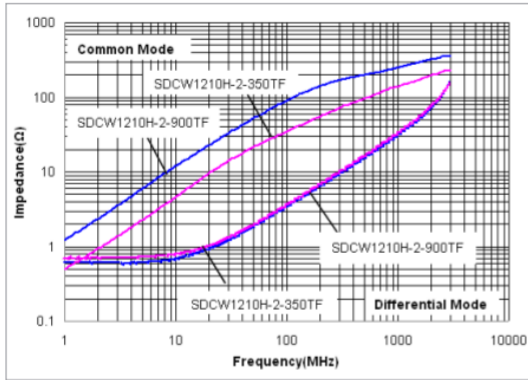
**EQUIVALENT CIRCUIT**



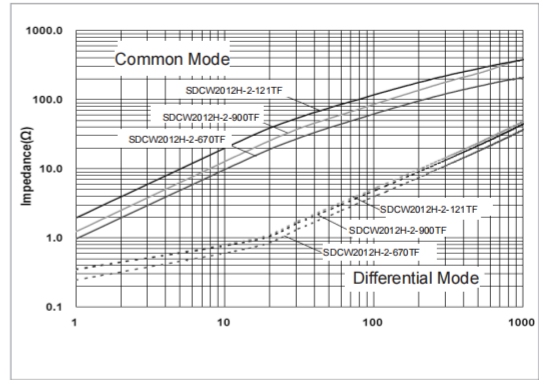
**TYPICAL ELECTRICAL CHARACTERISTICS**

Impedance vs. Frequency

SDCW1210H TYPE

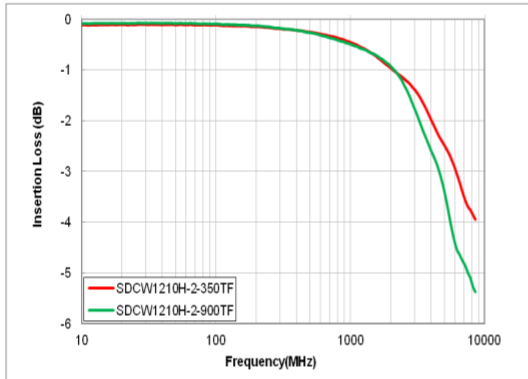


SDCW2012H TYPE

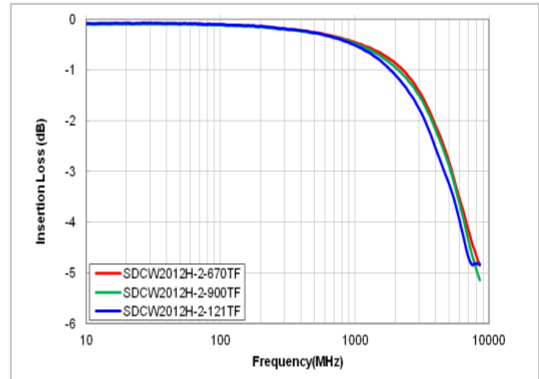


Insertion Loss

SDCW1210H TYPE

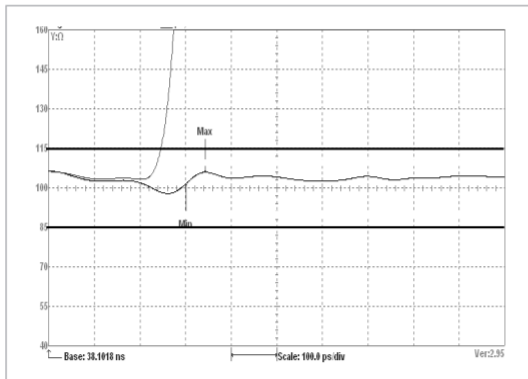


SDCW2012H TYPE



Differential Mode Impedance Characteristics

SDCW2012H-2-900TF



单击下面可查看定价，库存，交付和生命周期等信息

[>>Sunlord\(顺络\)](#)