

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.

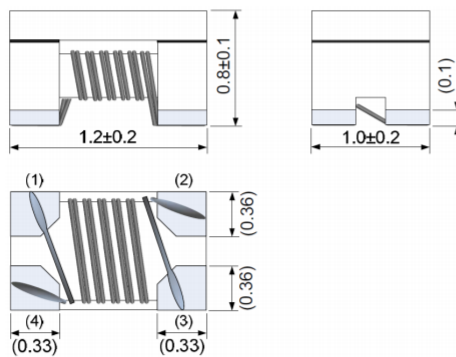
PRODUCT IDENTIFICATION

1	2	3	4	5	6	7
SDCW	2012	H	-2	-900	T	F

1	Type	2	External Dimensions (L×W) (mm)	3	Code
SDCW	Winding Type Common Mode Choke Coil	1210 [0504]	1.2×1.0	H	For High-speed Differential Signal Lines
		2012 [0805]	2.0×1.2		
4	Number of Lines	5	Impedance	7	Hazardous Substance Free Products
2		Example	Nominal Value		
		900	90Ω		F
6	Packing				
T	Tape & Reel				

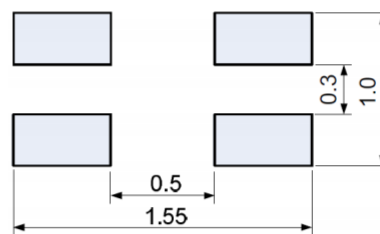
SHAPE AND DIMENSIONS

SDCW1210H TYPE



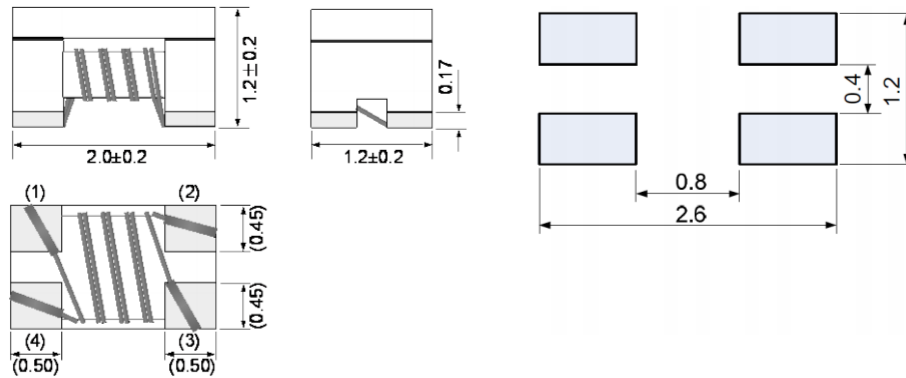
Recommended Land Pattern

Unit: mm



SHAPE AND DIMENSIONS**SDCW2012H TYPE****Recommended Land Pattern**

Unit: mm

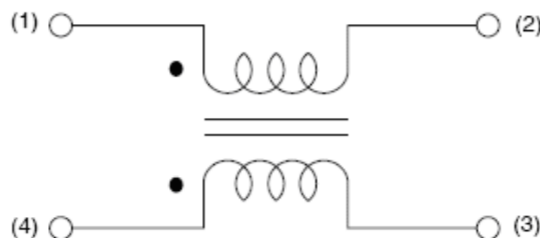
**SPECIFICATIONS SDCW1210H TYPE**

Part Number	Common Mode Impedance @ 100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	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	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	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

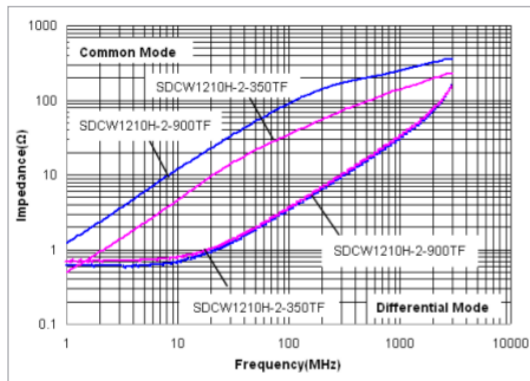
※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

EQUIVALENT CIRCUIT

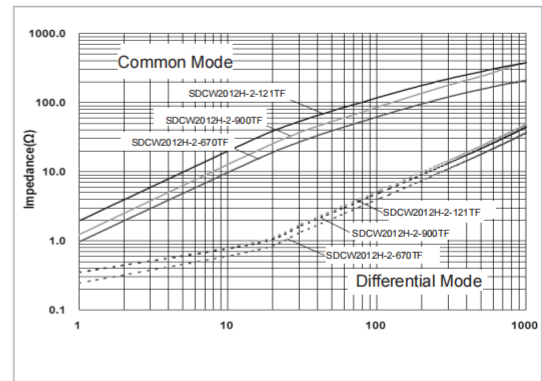
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

SDCW1210H TYPE

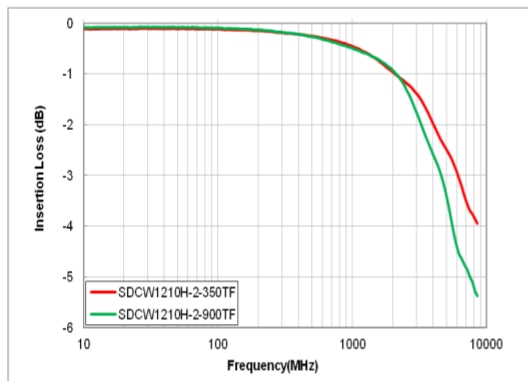


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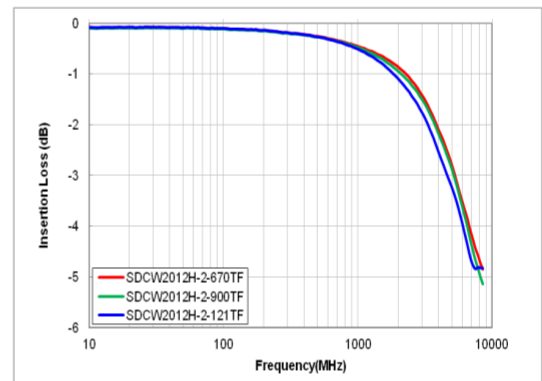


Insertion Loss

SDCW1210H TYPE



SDCW2012H TYPE



Differential Mode Impedance Characteristics

SDCW2012H-2-900TF

