

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

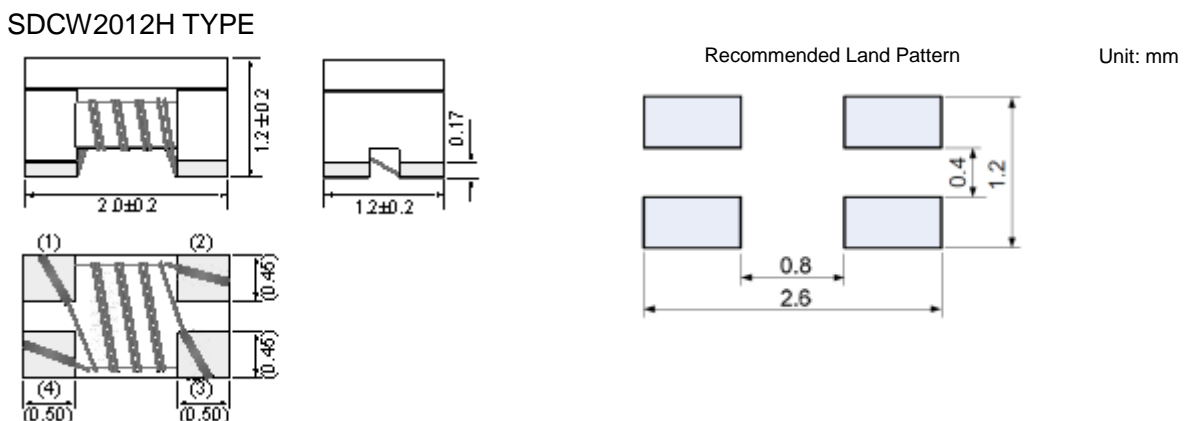
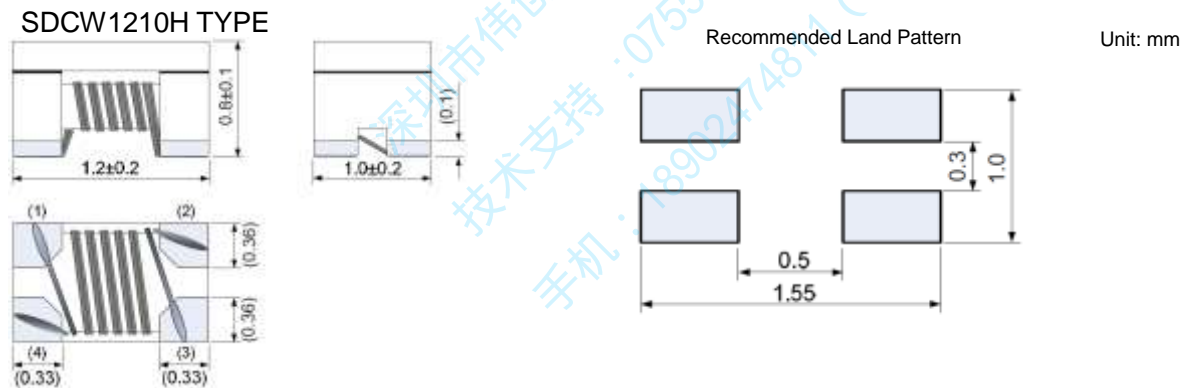
APPLICATIONS

- 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>I</u> ⑥		<u>F</u> ⑦	
Type		External Dimensions (LxW) (mm)		Code		Number of Lines		Impedance		Hazardous Substance		Packing	
SDCW	Winding Type	1210 [0504]	1.2x1.0	H	For High-speed Differential Signal Lines	2		Example	Nominal Value	Free Products		Tape & Reel	
	Common Mode Choke Coil	2012 [0805]	2.0x1.2			900	90Ω			F			

SHAPE AND DIMENSIONS



SPECIFICATIONS

SDCW1210H TYPE

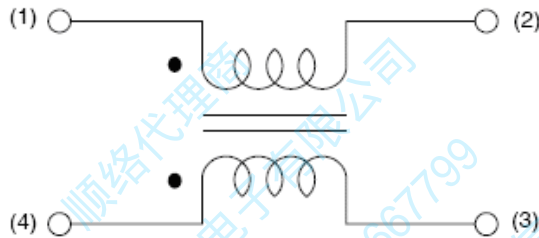
Part Number	Common Mode Impedance @100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{bc}	IR
SDCW1210H-2-350TF	35±25%	0.32	320	20	10
SDCW1210H-2-900TF	90±25%	0.50	280	20	10

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 _{bc}	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.

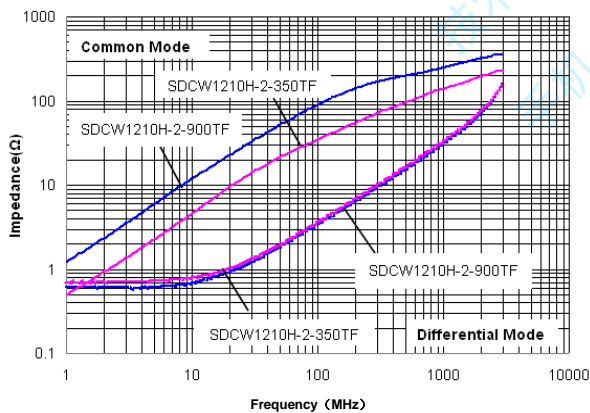
EQUIVALENT CIRCUIT



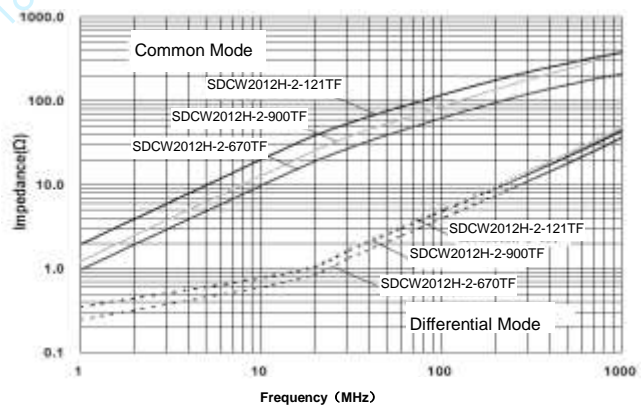
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

SDCW1210H TYPE



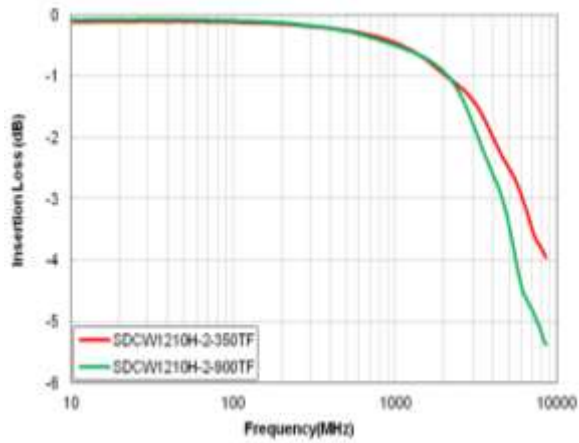
SDCW2012H TYPE



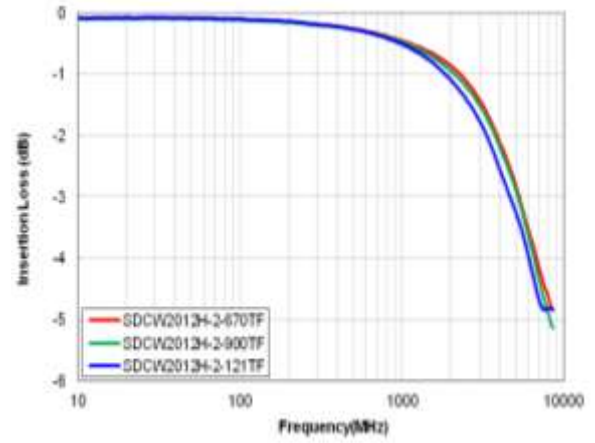
TYPICAL ELECTRICAL CHARACTERISTICS

Insertion Loss

SDCW1210H TYPE



SDCW2012H TYPE



Differential Mode Impedance Characteristics

SDCW2012H-2-900TF

