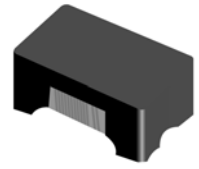


Wire Wound Chip Common Mode Choke Coil – SDCW-H Series

Operating Temp. : -40℃~+85℃



FEATURES

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

APPLICATIONS

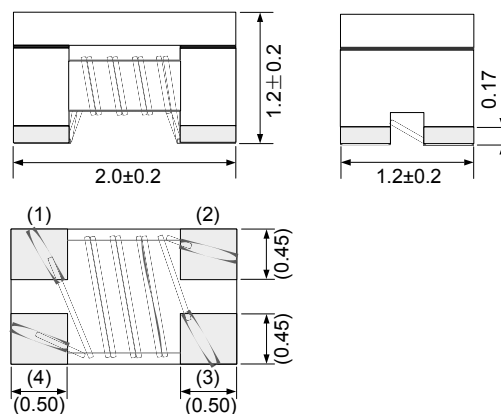
- High speed differential signal lines for HDMI, DVI, etc.

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														
① <table><tr><td colspan="2">Type</td></tr><tr><td>SDCW</td><td>Winding Type Common Mode Choke Coil</td></tr></table>		Type		SDCW	Winding Type Common Mode Choke Coil	③ <table><tr><td colspan="2">External Dimensions (L×W) (mm)</td></tr><tr><td>2012 [0805]</td><td>2.0×1.2</td></tr></table>		External Dimensions (L×W) (mm)		2012 [0805]	2.0×1.2	⑤ <table><tr><td colspan="2">Code</td></tr><tr><td>H</td><td>For High-speed Differential Signal Lines</td></tr></table>			Code		H	For High-speed Differential Signal Lines		
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⑤ <table><tr><td colspan="2">Impedance</td></tr><tr><td>Example</td><td>Nominal Value</td></tr><tr><td>900</td><td>90Ω</td></tr></table>		Impedance		Example	Nominal Value	900	90Ω	⑥ <table><tr><td colspan="2">Packing</td></tr><tr><td>T</td><td>Tape & Reel</td></tr></table>		Packing		T	Tape & Reel	⑦ <table><tr><td colspan="2">Hazardous Substance Free Products</td></tr><tr><td colspan="2">F</td></tr></table>			Hazardous Substance Free Products		F	
Impedance																				
Example	Nominal Value																			
900	90Ω																			
Packing																				
T	Tape & Reel																			
Hazardous Substance Free Products																				
F																				

SHAPE AND DIMENSIONS

Unit: mm



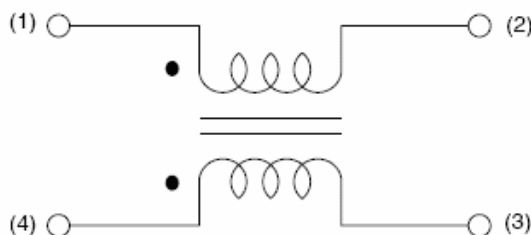
SPECIFICATIONS

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%	0.3	320	20	10
SDCW2012H-2-900TF	90±25%	0.4	280	20	10
SDCW2012H-2-121TF	120±25%	0.4	280	20	10

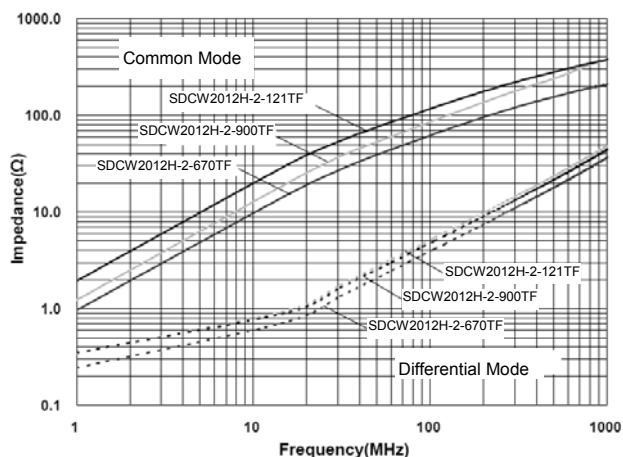
※Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

EQUIVALENT CIRCUIT

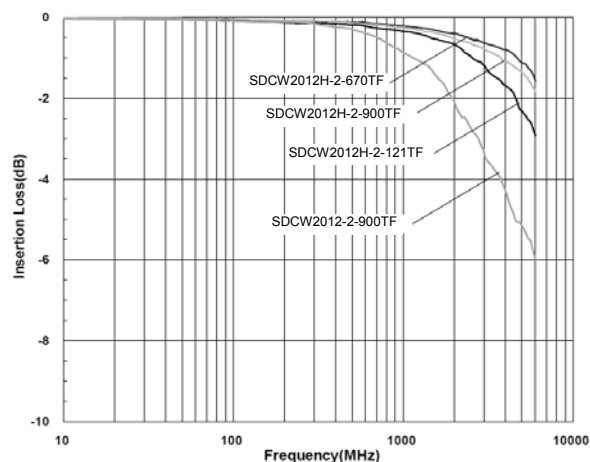


TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

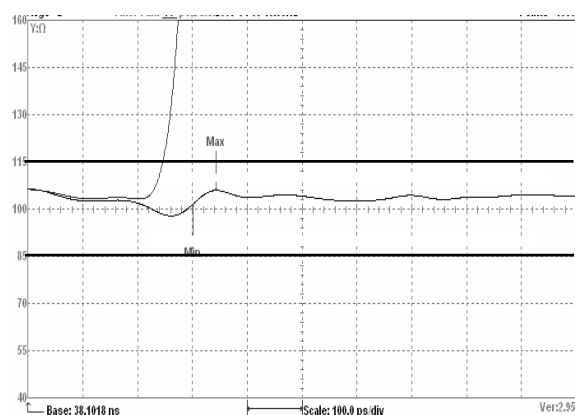


Insertion Loss



Differential Mode Impedance Characteristics

SDCW2012H-2-900TF



SDCW2012-2-900TF

