

Wire Wound Chip Common Mode Choke Coil – ECCW-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

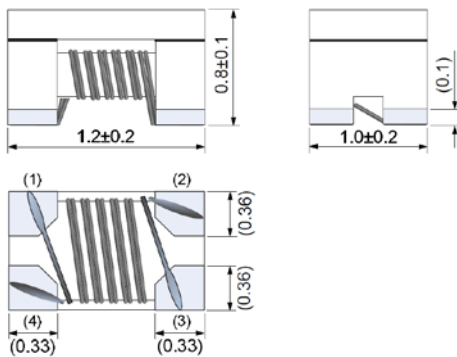
- High speed differential signal lines for HDMI, DVI, etc

PRODUCT IDENTIFICATION

<u>ECCW</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
①	②		③		④	
Type		External Dimensions (LxW) (mm)		Code		
EDCW	Winding Type Common Mode Choke Coil		1210 [0504]	1.2x1.0	H	For High-speed Differential Signal Lines
			2012 [0805]	2.0x1.2		
		④		⑤		
		Number of Lines		⑦		
		2		Hazardous Substance Free Products		
⑤		⑥		⑦		
Impedance		Packing		Hazardous Substance Free Products		
Example	Nominal Value	T	Tape & Reel	F		
900	90Ω					

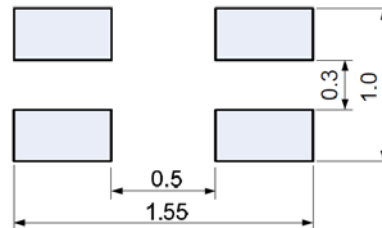
SHAPE AND DIMENSIONS

ECCW1210H TYPE

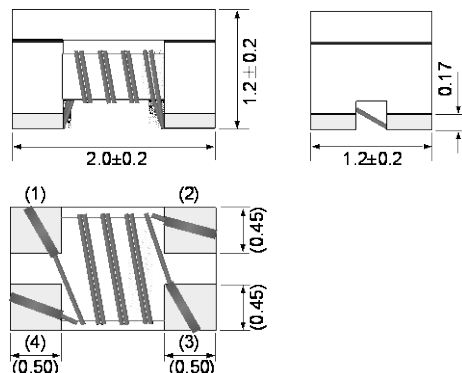


Recommended Land Pattern

Unit: mm

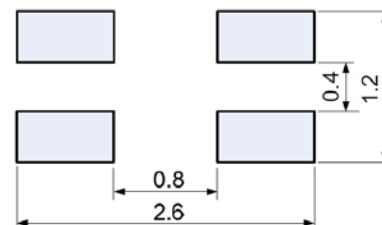


ECCW2012H TYPE



Recommended Land Pattern

Unit: mm



SPECIFICATIONS

ECCW1210H TYPE

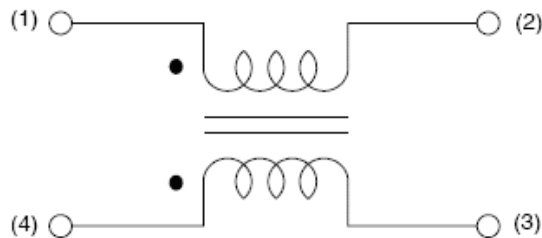
Part Number	Common Mode Impedance @100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	IR
ECCW1210H-2-350TF	35±25%	0.32	320	20	10
ECCW1210H-2-900TF	90±25%	0.50	280	20	10

ECCW2012H 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
ECCW2012H-2-670TF	67±25%	0.30	320	20	10
ECCW2012H-2-900TF	90±25%	0.40	280	20	10
ECCW2012H-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.

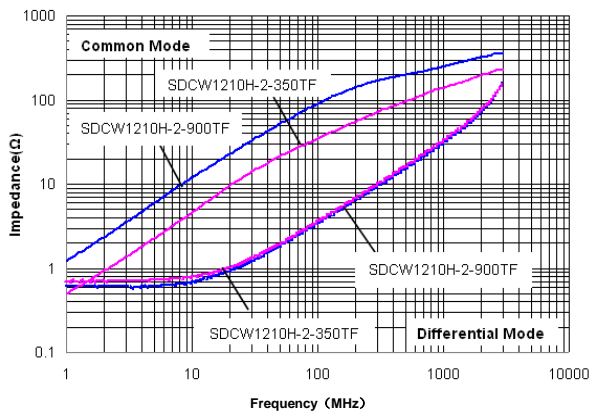
EQUIVALENT CIRCUIT



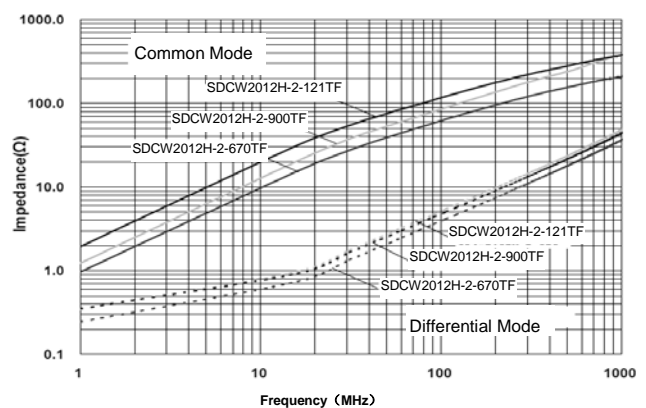
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

ECCW1210H TYPE



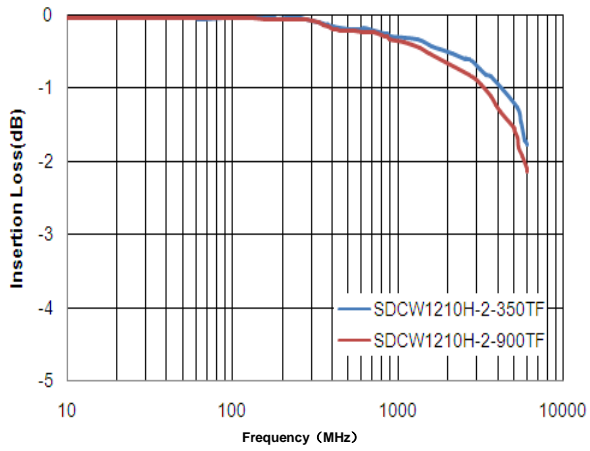
ECCW2012H TYPE



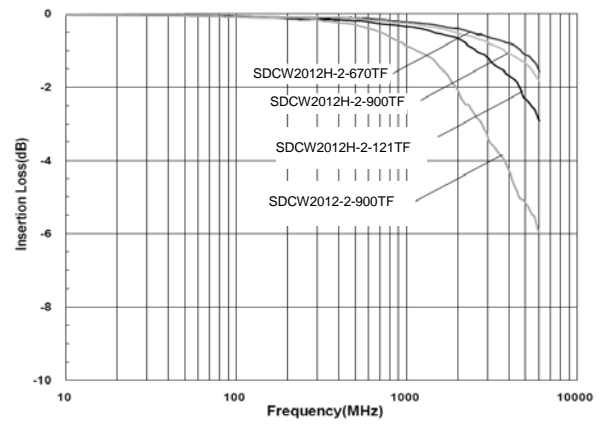
TYPICAL ELECTRICAL CHARACTERISTICS

Insertion Loss

ECCW1210H TYPE



ECCW2012H TYPE



Differential Mode Impedance Characteristics

ECCW2012H-2-900TF

