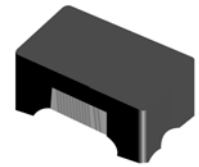


Wire Wound Chip Common Mode Choke Coil – SDCW-U Series

Operating Temp. : -40°C~+85°C



FEATURES

- Winding type realizes small size and low profile
- Prevention of common mode noise at high frequency
- Excellent solderability

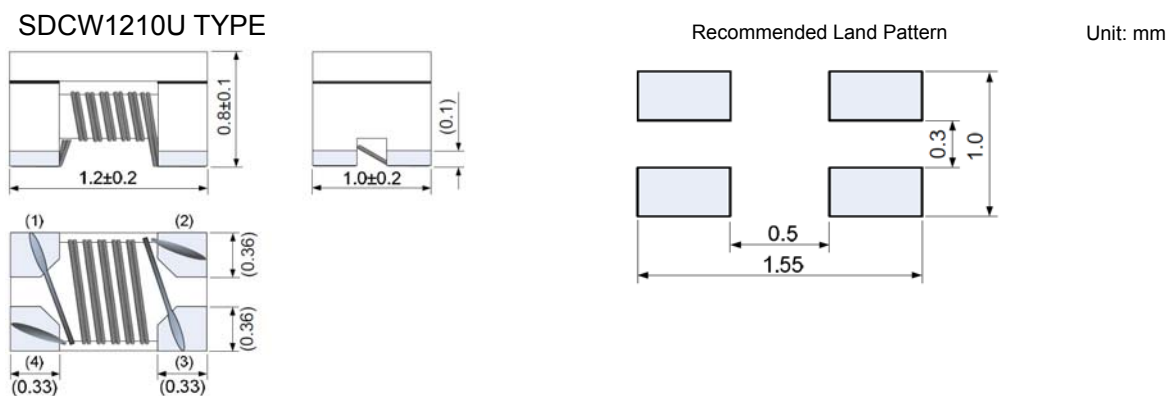
APPLICATIONS

- Super speed differential signal lines for USB3.0.

PRODUCT IDENTIFICATION

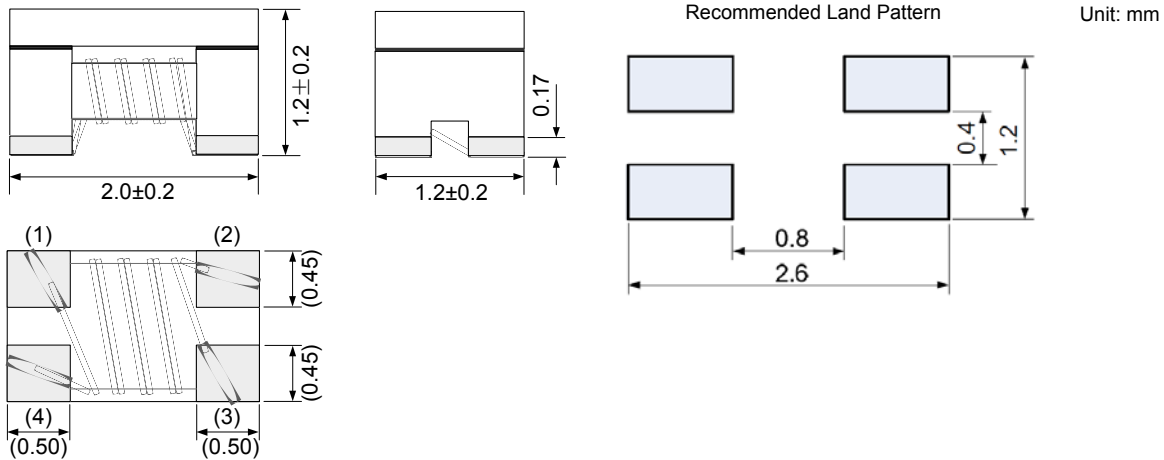
① <u>SDCW</u>	② <u>2012</u>	③ <u>U</u>	④ <u>-2</u>	⑤ <u>-900</u>	⑥ <u>T</u>	⑦ <u>F</u>														
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SHAPE AND DIMENSIONS



SHAPE AND DIMENSIONS

SDCW2012U TYPE



SPECIFICATIONS

SDCW1210U TYPE

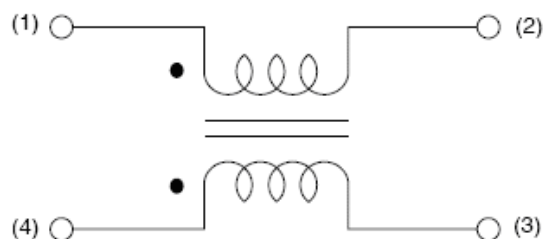
Part Number	Common Mode Impedance @100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW1210U-2-600TF	60±25%	0.40	300	20	10
SDCW1210U-2-900TF	90±25%	0.50	280	20	10

SDCW2012U 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
SDCW2012U-2-900TF	90±25%	0.40	280	20	10

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

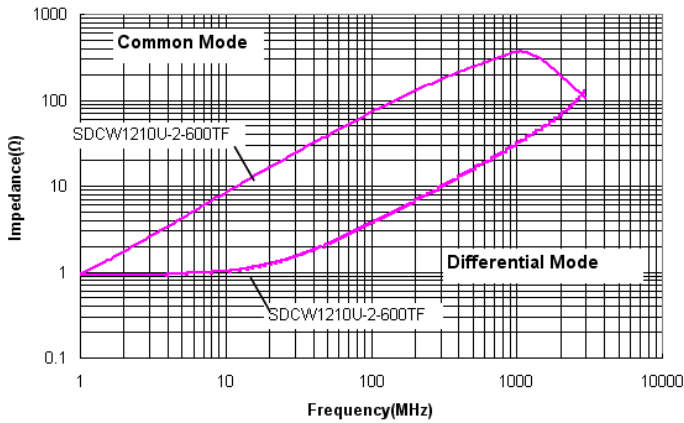
EQUIVALENT CIRCUIT



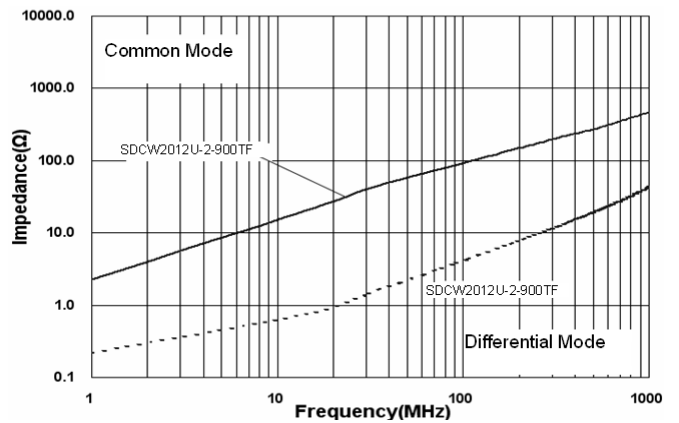
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

SDCW1210U-2-600TF

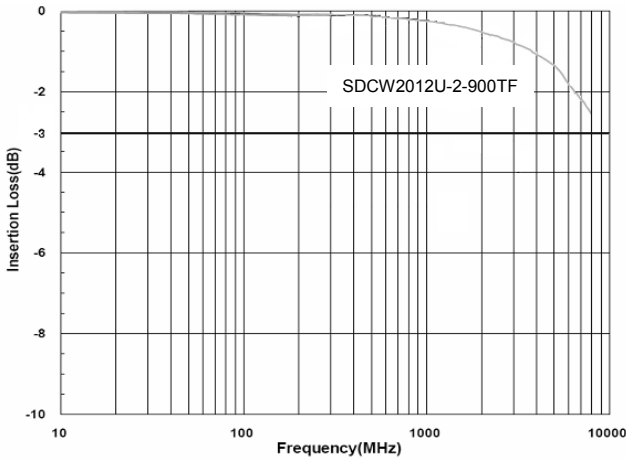


SDCW2012U-2-900TF



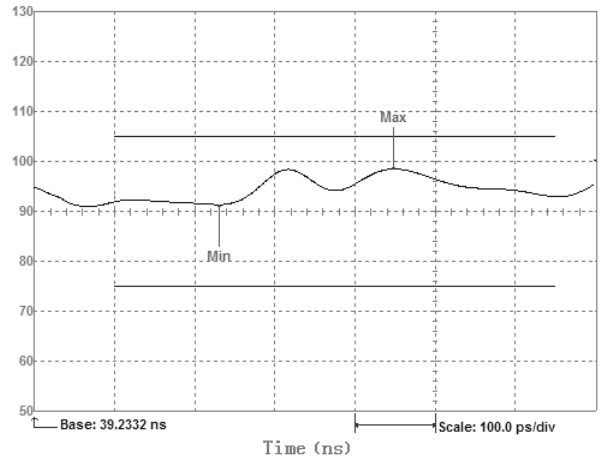
Insertion Loss

SDCW2012U-2-900TF



Differential Mode Impedance Characteristics

SDCW2012U-2-900TF



Eye Diagram in USB3.0

SDCW2012U-2-900TF

