

FEATURES

- ◆ Winding type realizes small size and low profile
- ◆ Prevention of common mode noise at high frequency
- ◆ 25Ω~220Ω are optional for different noise level and signal frequency
- ◆ Excellent solderability

APPLICATIONS

- ◆ USB2.0 of IEEE1394, PC, peripheral equipments, small digital AV equipments, etc.
- ◆ LVDS lines of Note PC, LCD
- ◆ Audio lines

PRODUCT IDENTIFICATION

HSWC = FS 1608 T 2 -900 F XX
 A B C D E F G H

A

Type	
HSWC	Winding Type Common Mode Choke Coil

B

F	Feature
F=ferrite	S =Standard

C

External Dimensions (L×W) (mm)	
1210[0504]	1.2x1.0
1608[0603]	1.6x0.8
2520[1008]	2.5x2.0
3225[1210]	3.2x2.5
4532[1812]	4.5x3.2

D

Packing
Tape & Reel

F

Impedance	
Example	Nominal Value
900	90Ω

E

Number of Lines
2

H

Internal Code
XX

G

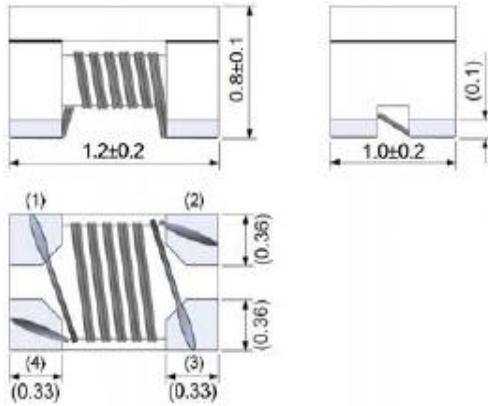
Hazardous Substance Free Products
F

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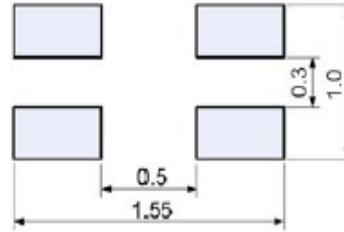
SHAPE AND DIMENSIONS

HSWC-FS1210 TYPE

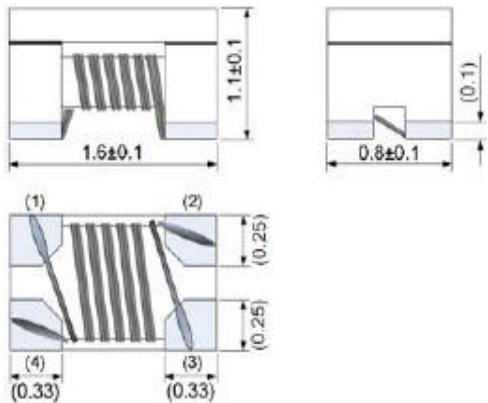


Recommended Land Pattern

Unit: mm

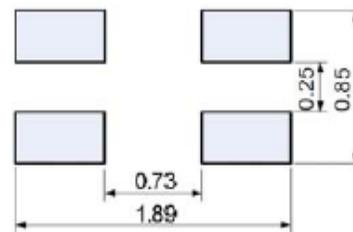


HSWC-FS1608 TYPE

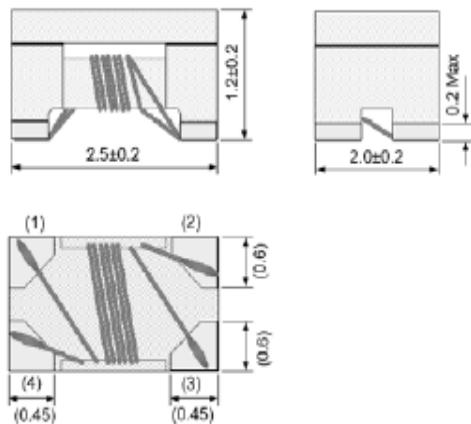


Recommended Land Pattern

Unit: mm

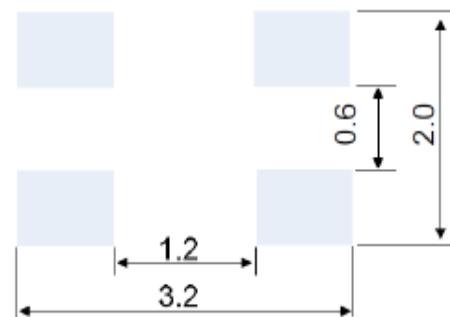


HSWC-FS2520 TYPE



Recommended Land Pattern

Unit: mm

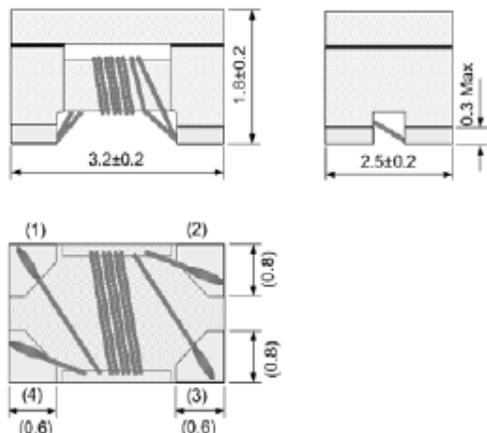


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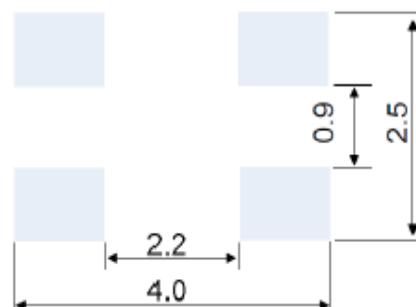


SHAPE AND DIMENSIONS

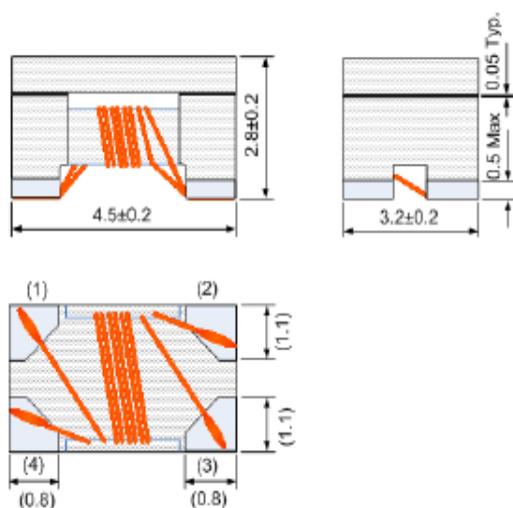
HSWC-FS3225 TYPE



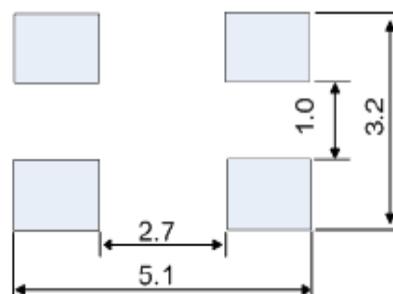
Recommended Land Pattern Unit: mm



HSWC-FS4532 TYPE



Recommended Land Pattern Unit: mm



SPECIFICATIONS

HSWC-FS1210 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	VDC	IR
HSWC-FS1210T2-350F	35±25%	0.18	430	20	10
HSWC-FS1210T2-600F	60±25%	0.30	400	20	10
HSWC-FS1210T2-900F	90±25%	0.30	400	20	10
HSWC-FS1210T2-161F	160±25%	0.60	260	20	10
HSWC-FS1210T2-361F	360±25%	0.65	250	20	10

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Wire Wound Chip Common Mode Choke Coil HSWC FS Series

SPECIFICATIONS

HSWC-FS1608 TYPE

Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Min.Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	Ir	VDC	IR
HSWC-FS1608T2-250F	25±25%	0.10	500	20	10
HSWC-FS1608T2-600F	60±25%	0.20	350	20	10
HSWC-FS1608T2-900F	90±25%	0.25	300	20	10
HSWC-FS1608T2-141F	140±25%	0.25	300	20	10
HSWC-FS1608T2-221F	220±25%	0.25	300	20	10

HSWC-FS2520 TYPE

Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Min.Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	Ir	VDC	IR
HSWC-FS2520T2-301F	300±25%	0.25	400	50	10
HSWC-FS2520T2-451F	450±25%	0.30	350	50	10
HSWC-FS2520T2-601F	600±25%	0.38	330	50	10
HSWC-FS2520T2-102F	1000±25%	0.50	240	50	10

HSWC-FS3225 TYPE

Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Min.Insulation Resistance
Units	Ω	Ω	mA	Volts	M Ω
Symbol	Z	DCR	Ir	VDC	IR
HSWC-FS3225T2-800F	80±25%	0.12	640	50	10
HSWC-FS3225T2-161F	160±25%	0.15	480	50	10
HSWC-FS3225T2-271F	270±25%	0.25	450	50	10
HSWC-FS3225T2-102F	1000±25%	0.35	350	50	10

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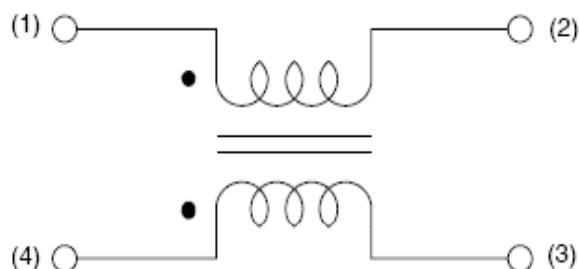
SPECIFICATIONS

HSWC-FS4532 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	Ir	VDC	IR
HSWC-FS4532T2-601F	600 \pm 25%	0.12	1000	50	10

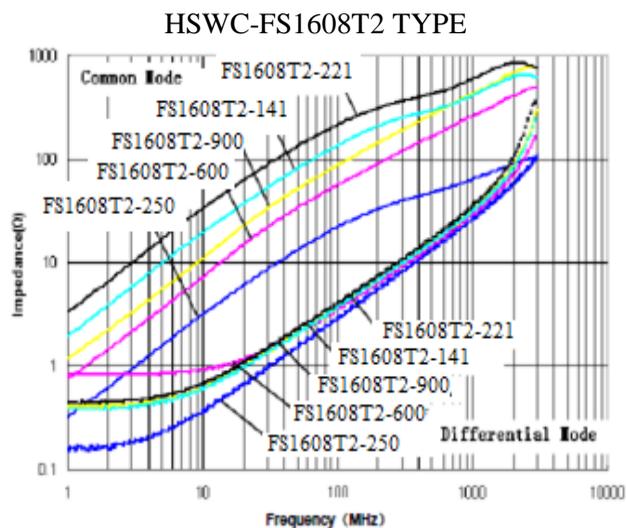
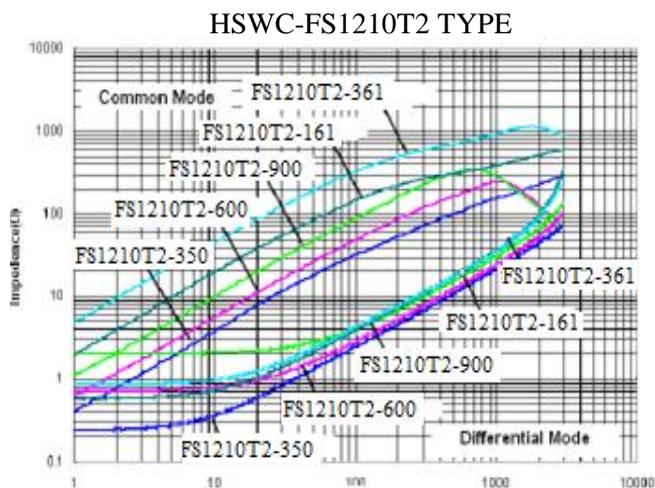
※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

EQUIVALENT CIRCUIT



TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency



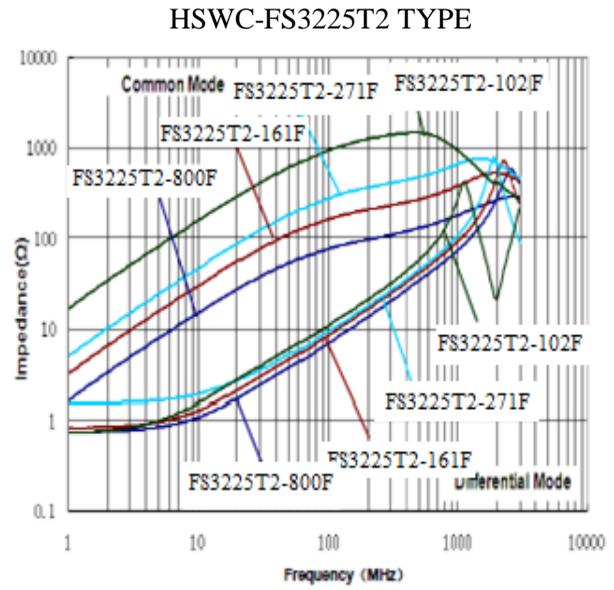
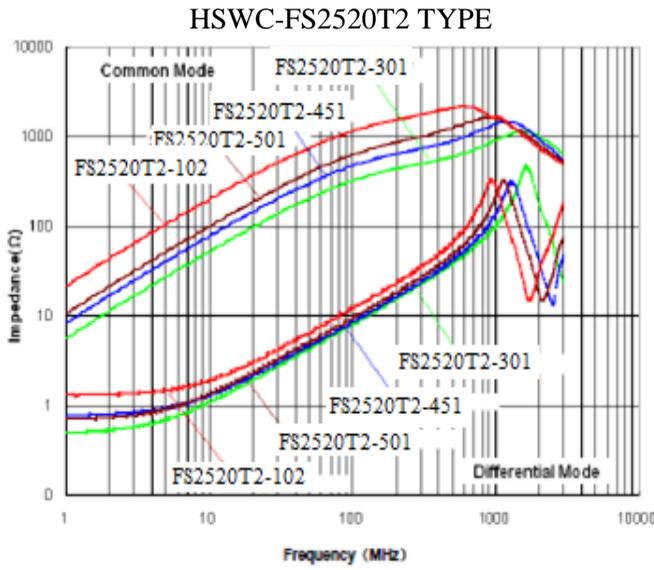
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TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency



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