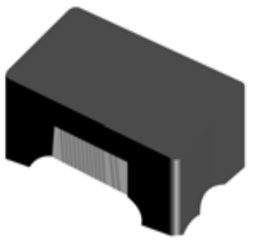
Wire Wound Chip Common Mode Choke Coil HSWC FU Series



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

HSWC	-	F	U	1210	T	2	-900	F	XX
A		B	C	D	E	F	G	H	I

A

Type	
HSWC	Winding Type Common Mode Choke Coil

B

Material
ferrite

C

Feature code	
U	Ultra High speed

B

External Dimensions (L×W) (mm)	
1210[0504]	1.2x1.0
2012[0805]	2.0x1.2

E

Packing
Tape & Reel

F

Number of Lines
2

G

Impedance	
Example	Nominal Value
900	90Ω

H

Hazardous Substance Free Products
F

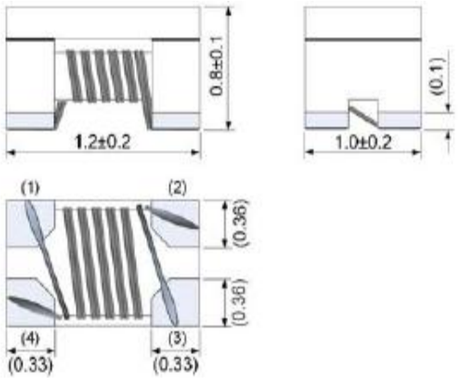
I

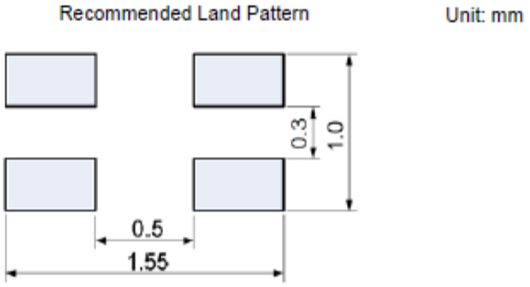
Internal Code
XX

The data is reference only. Customers should verify actual device performance in their specific applications.
Specifications are subject to change without notice.Please check our website for latest information. http:www.ftind.com

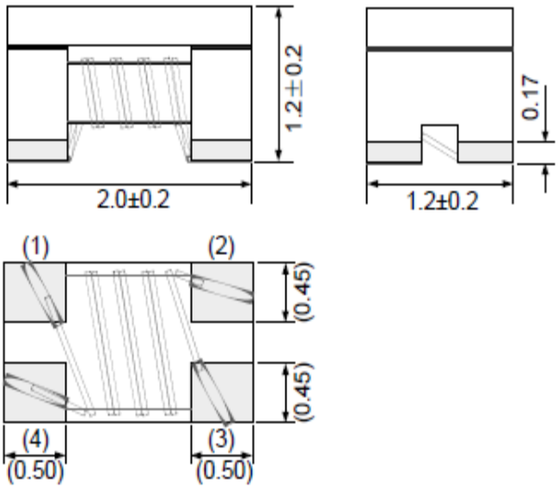
SHAPE AND DIMENSIONS

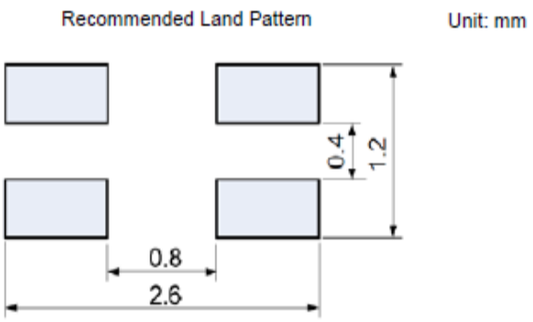
HSWC -FU1210 TYPE





HSWC -FU2012 TYPE





SPECIFICATIONS

HSWC -FU1210 TYPE

Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Min.Insulation Resistance
Units Symbol	Ω Z	Ω DCR	mA Ir	Volts VDC	MΩ IR
HSWC -FU1210T2-140F	14±25%	0.12	600	20	10
HSWC -FU1210T2-600F	60±25%	0.40	300	20	10
HSWC -FU1210T2-900F	90±25%	0.50	280	20	10

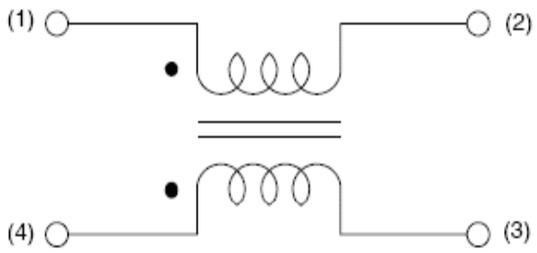
SPECIFICATIONS

HSWC -FU2012 TYPE

Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Min.Insulation Resistance
Units	Ω	Ω	mA	Volts	MΩ
Symbol	Z	DCR	Ir	VDC	IR
HSWC -FU2012T2-900F	90±25%	0.40	280	20	10

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

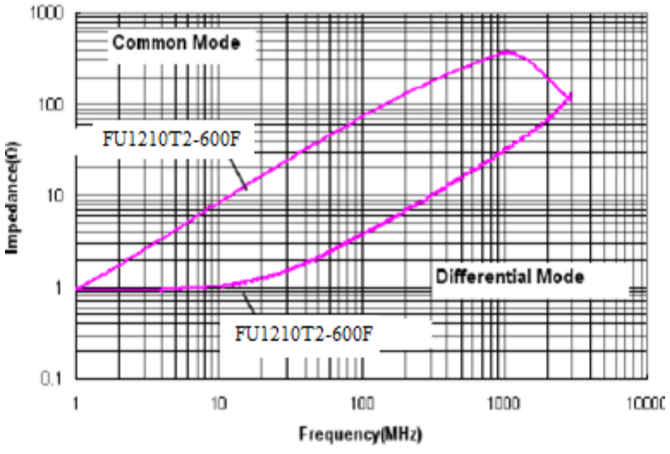
EQUIVALENT CIRCUIT



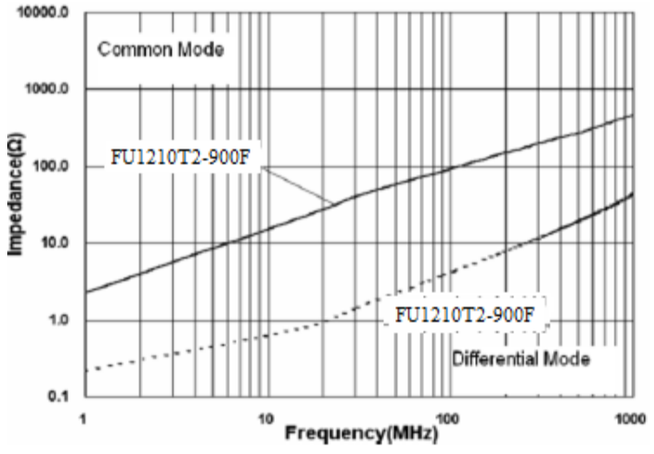
TYPICAL ELECTRICAL CHARACTERISTICS

Impedance vs. Frequency

HSWC -FU1210T2-600F



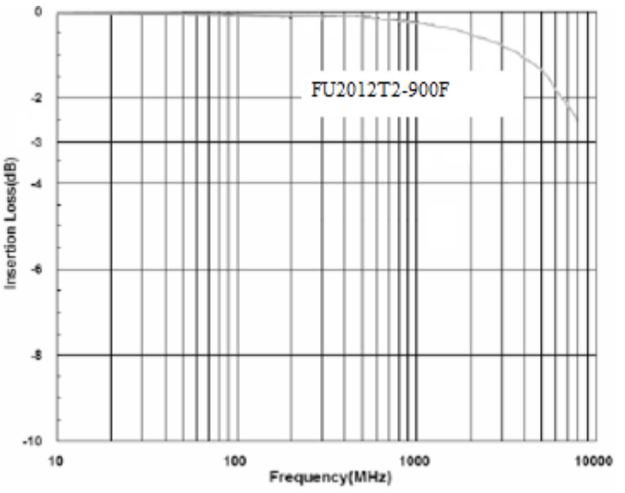
HSWC -FU2012T2-900F



TYPICAL ELECTRICAL CHARACTERISTICS

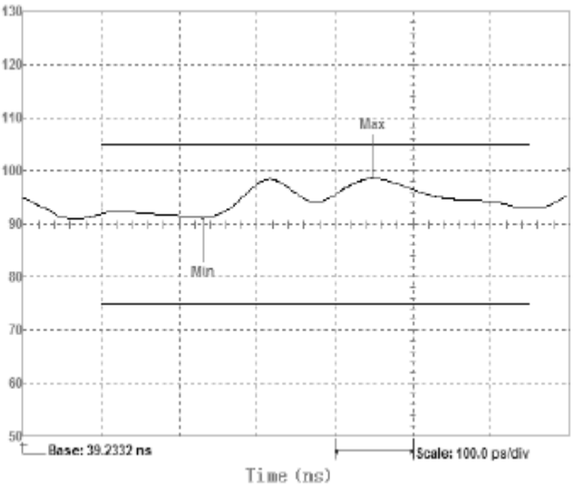
Insertion Loss

HSWC -FU2012T2-900F



Differential Mode Impedance Characteristics

HSWC -FU2012T2-900F



Eye Diagram in USB3.0

HSWC -FU2012T2-900F