

**FEATURES**

- ◆ Winding type realizes small size and low profile
- ◆ Prevention of common mode noise at high frequency
- ◆ 30Ω~2200Ω are optional for different noise level and signal frequency
- ◆ Excellent solderability

**APPLICATIONS**

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

**PRODUCT IDENTIFICATION**

HSWC    =    F    2012    T    2    -900    F    XX  
                   A                    B                    C                    D                    E                    F                    G                    H

A

Type	
HSWC	Winding Type Common Mode Choke Coil

B

Material
Ferrite

C

External Dimensions (L×W) (mm)	
2012 [0805]	2.0×1.2
3216 [1206]	3.2×1.6

D

Packing
Tape & Reel

E

Number of Lines
2

F

Impedance	
Example	Nominal Value
900	90Ω

G

Hazardous Substance Free Products
F

H

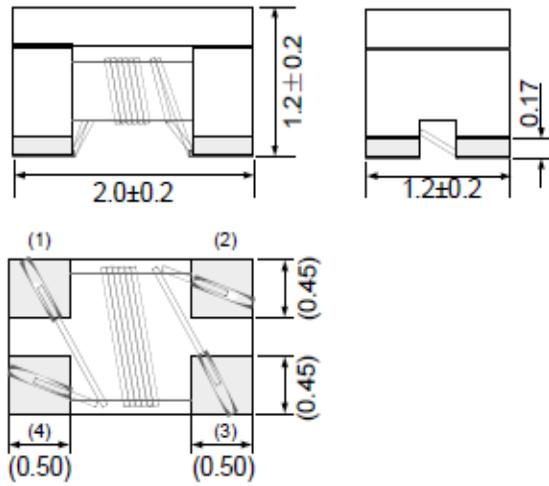
Internal Code
XX

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>

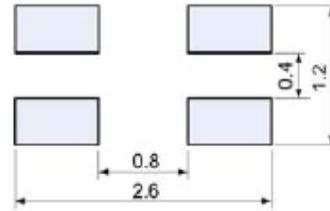


**SHAPE AND DIMENSIONS**

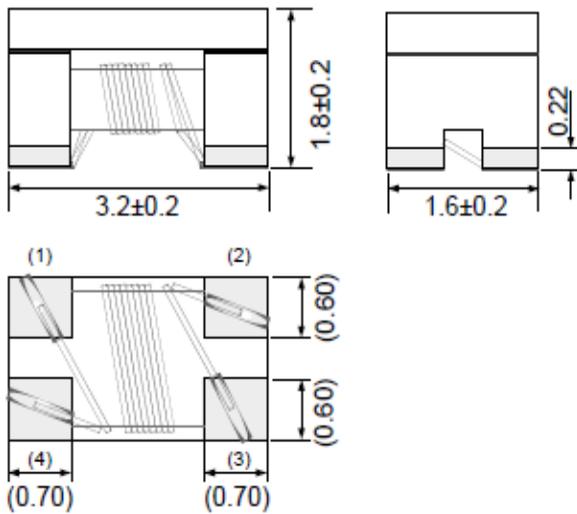
**HSWC-F2012 TYPE**



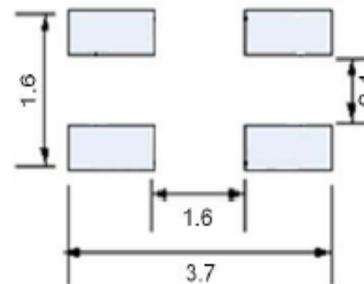
Recommended Land Pattern Unit: mm



**HSWC-F3216 TYPE**



Recommended Land Pattern Unit: mm



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**SPECIFICATIONS**

**HSWC-F2012 TYPE**

Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Min.Insulation Resistance
Units	$\Omega$	$\Omega$	mA	Volts	M $\Omega$
Symbol	Z	DCR	Ir	VDC	IR
HSWC-F2012T2-300F	30±25%	0.20	450	50	10
HSWC-F2012T2--670F	67±25%	0.25	400	50	10
HSWC-F2012T2-900F	90±25%	0.35	330	50	10
HSWC-F2012T2-121F	120±25%	0.30	370	50	10
HSWC-F2012T2-181F	180±25%	0.35	330	50	10
HSWC-F2012T2-201F	200±25%	0.40	300	50	10
HSWC-F2012T2-221F	220±25%	0.40	300	50	10
HSWC-F2012T2-261F	260±25%	0.40	300	50	10
HSWC-F2012T2-361F	360±25%	0.45	280	50	10
HSWC-F2012T2-371F	370±25%	0.45	280	50	10
HSWC-F2012T2-601F	600±25%	0.55	200	50	10
HSWC-F2012T2-751F	750±25%	0.70	180	50	10
HSWC-F2012T2-901F	900±25%	0.80	150	50	10
HSWC-F2012T2-102F	1000±25%	0.80	150	50	10

**HSWC-F3216 TYPE**

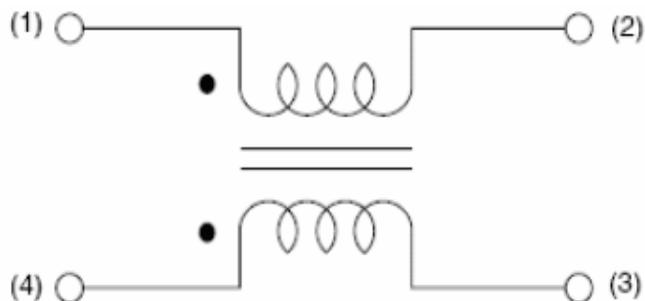
Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Min.Insulation Resistance
Units	$\Omega$	$\Omega$	mA	Volts	M $\Omega$
Symbol	Z	DCR	Ir	VDC	IR
HSWC-F3216T2-900F	90±25%	0.30	370	50	20
HSWC-F3216T2-161F	160±25%	0.40	340	50	10
HSWC-F3216T2-261F	260±25%	0.50	310	50	10
HSWC-F3216T2-601F	600±25%	0.80	260	50	10
HSWC-F3216T2-102F	1000±25%	1.00	230	50	10
HSWC-F3216T2-222F	2200±25%	1.20	200	50	10

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

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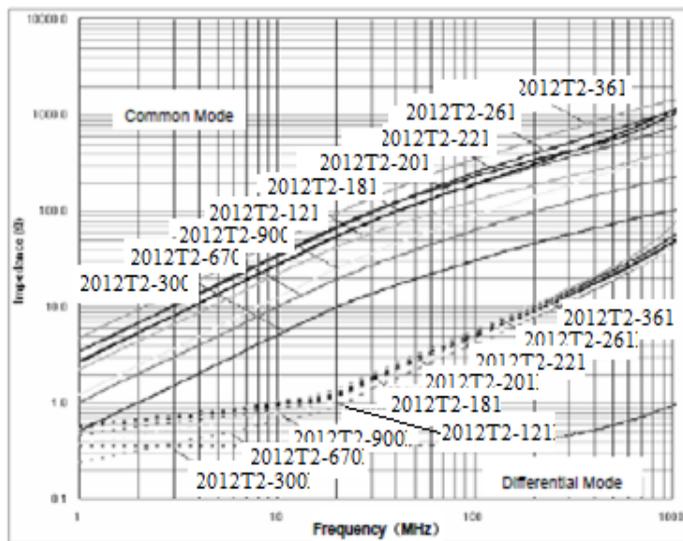
**EQUIVALENT CIRCUIT**



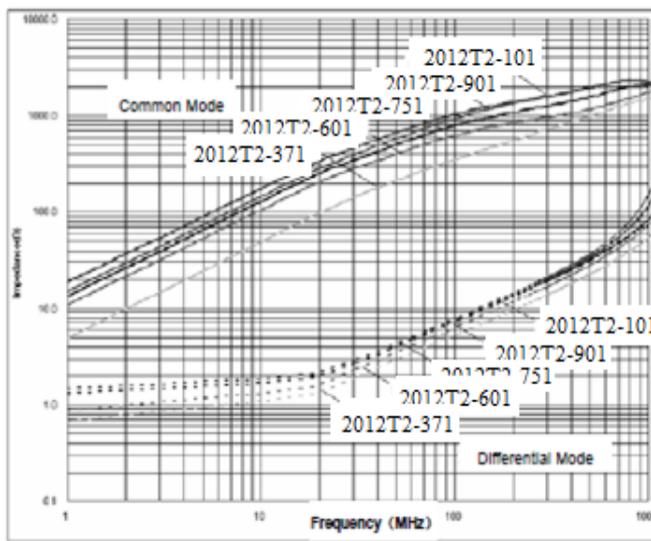
**TYPICAL ELECTRICAL CHARACTERISTICS**

**Impedance vs. Frequency**

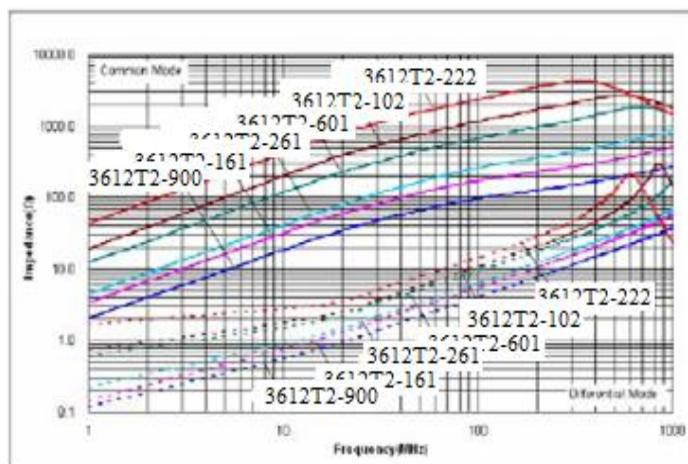
HSWC-F2012T2 TYPE  
(30~360Ω)



HSWC-F2012T2 TYPE  
(370~1000Ω)



HSWC-F3216T2 TYPE  
(90~2200Ω)



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