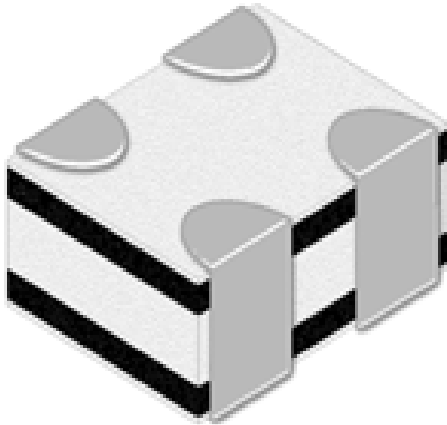


**FEATURES**

- ◆ Effective for suppressing common mode noise at high frequency
- ◆ Excellent solderability characteristics
- ◆ Small size & low profile  
(0.85\*0.65\*0.40 mm)
- ◆ Multilayer type SMD component based on LTCC technology


**APPLICATIONS**

- ◆ Common mode noise suppression of high speed differential signal lines, such as MIPI, MHL in mobile phone, tablet PC etc.

**PRODUCT IDENTIFICATION**

**HSCF**     =     **C**     **S**     **0806**     **T**     **2**     **-300**     **F**     **XX**  
 A                                      B            C                      D                    E            F            G                      H                      I

A

Type	
HSCF	Multilayer Chip Common Mode Filter

B

Material
Ceramic

C

Feature code	
S	Standard

D

External Dimensions (L×W) (mm)	
0806	0.85x0.65

E

Packing
Tape & Reel

F

Number of Lines
2

G

Impedance	
Example	Nominal Value
300	30Ω

H

Hazardous Substance Free Products
F

I

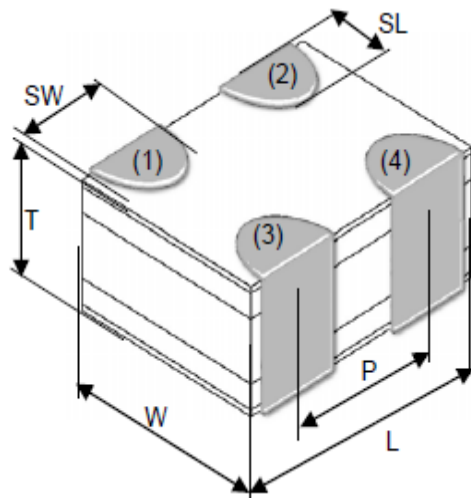
Internal Code
XX

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.

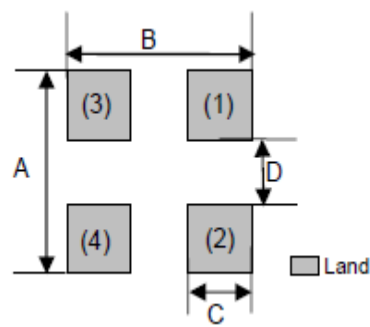
<http://www.ftind.com>

**SHAPE AND DIMENSIONS**

Type:HSCF-CS0806



Land Pattern



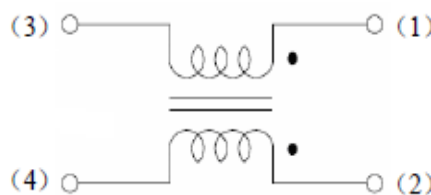
Unit: mm

A	B	C	D
0.9	0.8	0.3	0.3

Unit: mm [inch]

Type	L	W	T	SL	SW	P
HSCF-CS0806	0.85±0.05 [.033±002]	0.65±0.05 [.026 ±002]	0.40±0.05 [.016±002]	0.20+0.05/0.10 [.008+.002/-004]	0.27±0.05 [.011 ±002]	0.50±0.05 [.020±002]

**EQUIVALENT CIRCUIT**



**SPECIFICATIONS**

HSCF-CS0806 TYPE

Part Number	Common Mode Impedance @100MHz	Max. Dc Resistance	Max. Rated Curent	Rated Voltage	Withstand Voltage	Min. Insulation Resistance
Units Symbol	$\Omega$ Z	$\Omega$ DCR	mA I <sub>r</sub>	Volts VDC	Volts VP	M $\Omega$ IR
HSCF-CS0806T2-300F	30±20%	1.5	100	5	12.5	10
HSCF-CS0806T2-900F	90±20%	3.5	100	5	12.5	10
HSCF-CS0806T2-350F	35±20%	2.4	100	5	12.5	100
HSCF-CS0806T2-900F	90±20%	3.5	100	5	12.5	100

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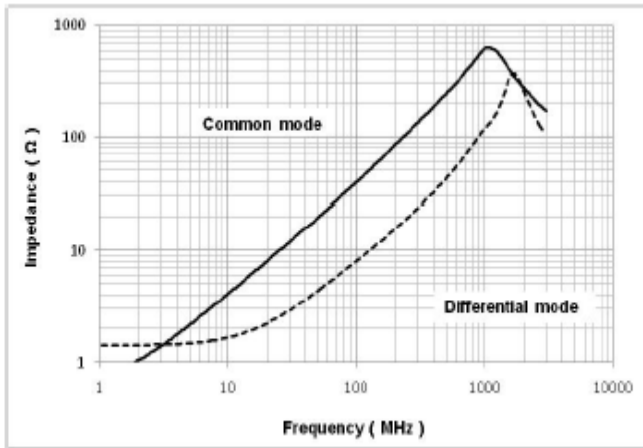
<http://www.ftind.com>



**ELECTRICAL CHARACTERISTICS**

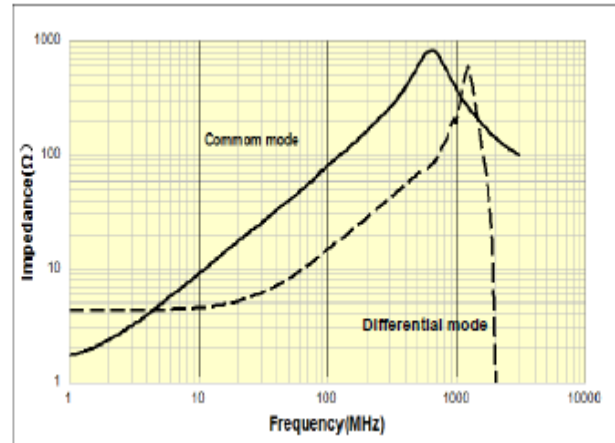
HSCF-CS0806T2-300F

**Impedance vs. Frequency**

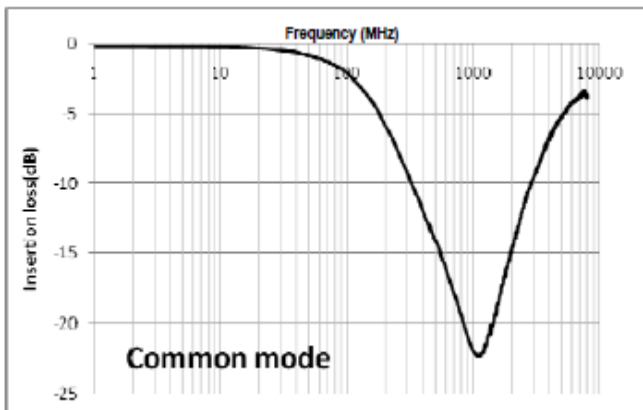


HSCF-CS0806T2-900F

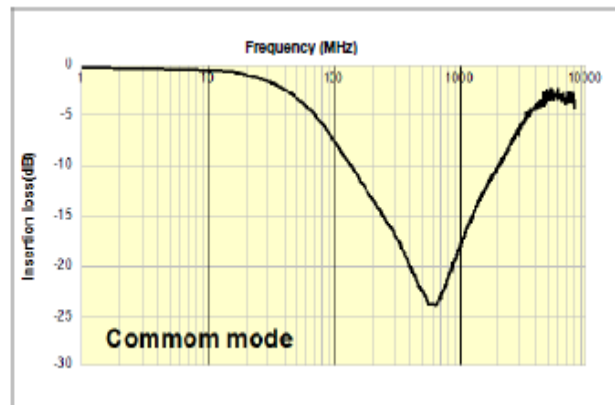
**Impedance vs. Frequency**



**Insertion loss vs. Frequency**



**Insertion loss vs. Frequency**



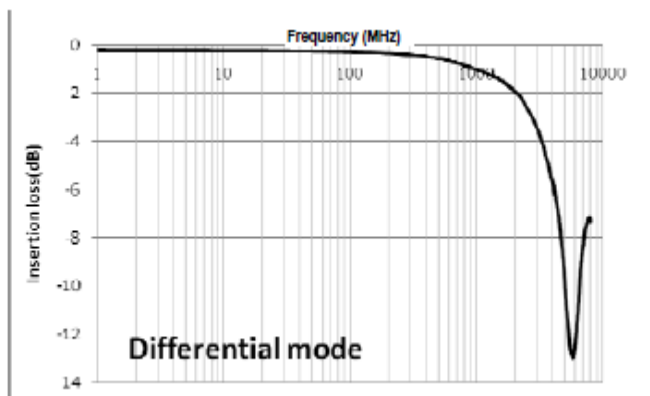
The data is reference only. Customers should verify actual device performance in their specific applications. Specifications are subject to change without notice. Please check our website for latest information.  
<http://www.ftind.com>



**ELECTRICAL CHARACTERISTICS**

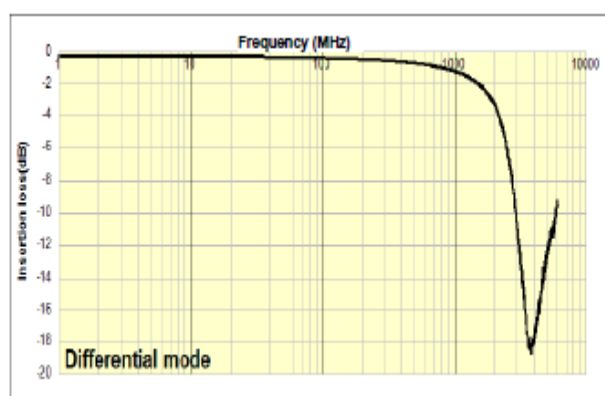
HSCF-CS0806T2-300F

Insertion loss vs. Frequency



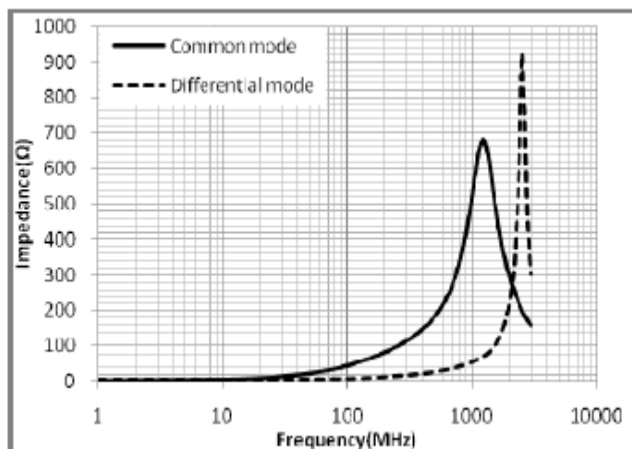
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Insertion loss vs. Frequency



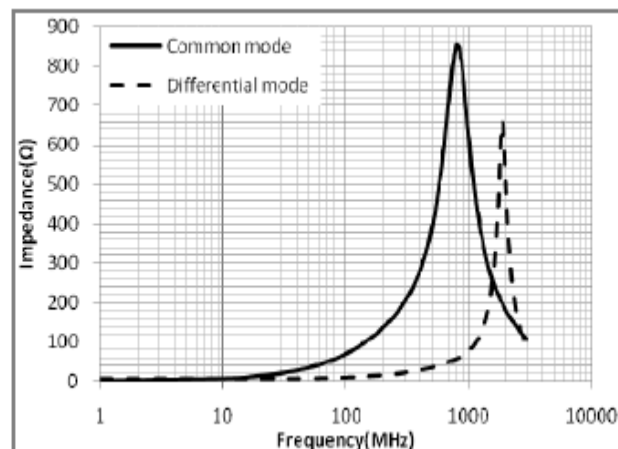
HSCF-CS0806T2-350F

Impedance vs. Frequency

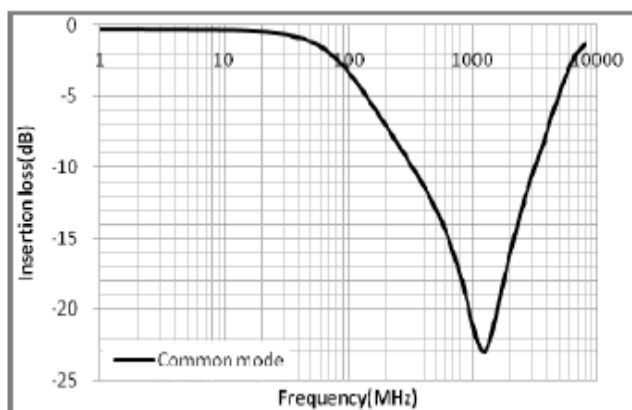


HSCF-CS0806T2-900F

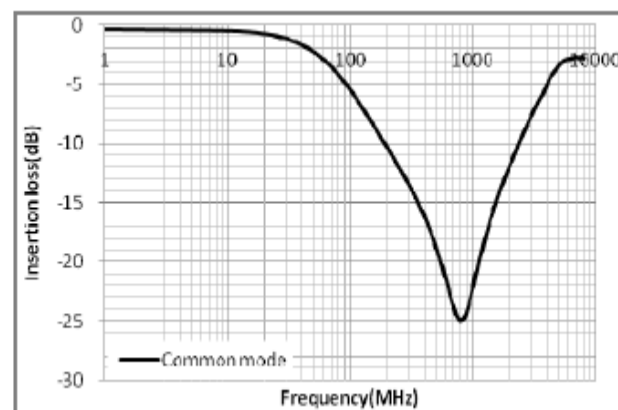
Impedance vs. Frequency



Insertion loss vs. Frequency



Insertion loss vs. Frequency



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