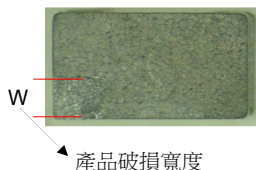
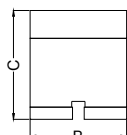
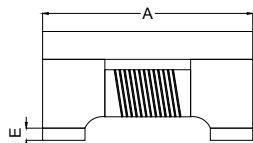


1.Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. HSF1208F2SF series realizes small size and low profile. 1.2x0.85x1.20 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

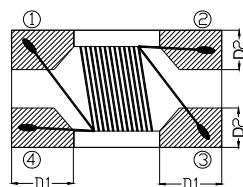


2.Dimension



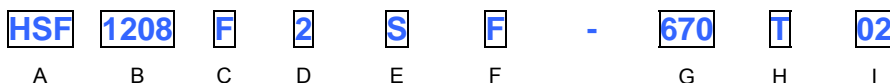
當破損面積 < 5%, 產品列入允收品範圍

產品破損寬度



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
1208F2SF	1.20±0.15	0.85±0.15	1.20max	0.25±0.1	0.29±0.1	0.03min

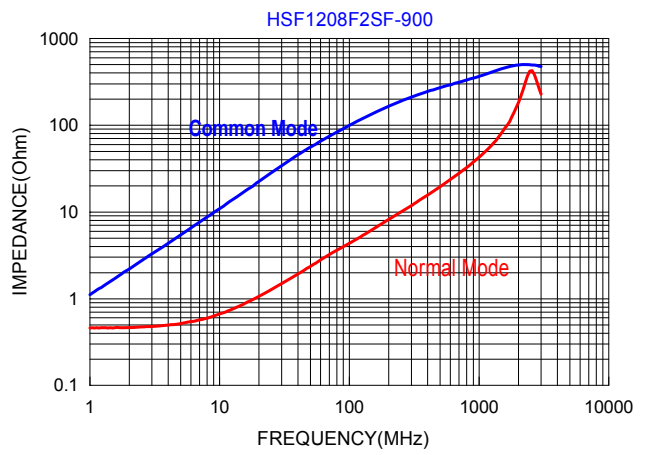
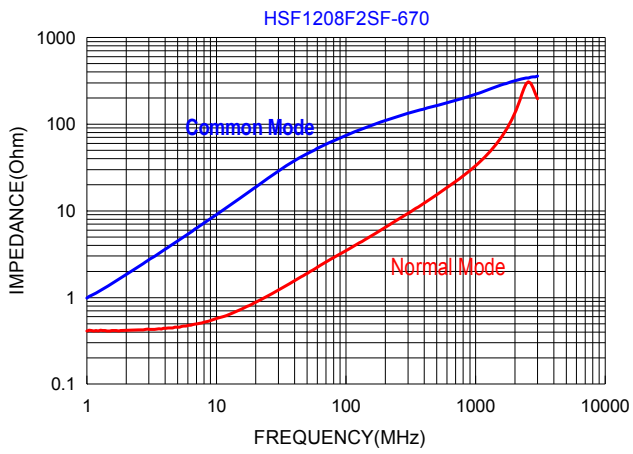
3.Part Numbering



- A: Series
- B: Dimension
- C: Material Ferrite Core
- D: Number of Lines 2=2 lines
- E: Type S=Shielded, N=Unshielded
- F: Lead free
- G: Impedance 670=67Ω
- H: Packaging T=Taping and Reel
- I: Rated Current 02=200mA

4.Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HSF1208F2SF-670T02	67±25%	100	0.50	200	50	125	10M
HSF1208F2SF-900T02	90±25%	100	0.55	200	50	125	10M

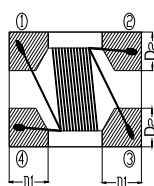
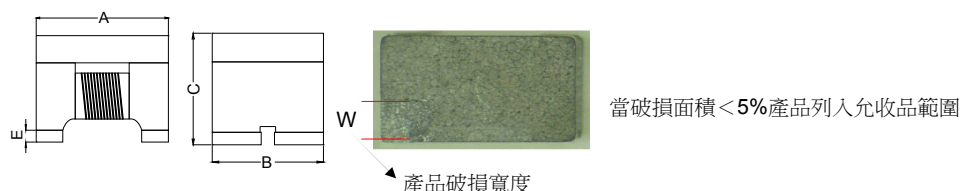


1.Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. HSF1210F2SF series realizes small size and low profile. 1.2x1.0x0.9 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. Excellent for USB3.0



2.Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
1210F2SF	1.2±0.2	1.0±0.2	0.9 max.	0.35±0.1	0.35±0.1	0.03 min.

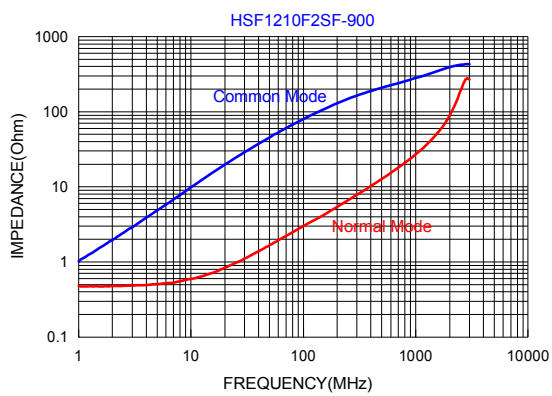
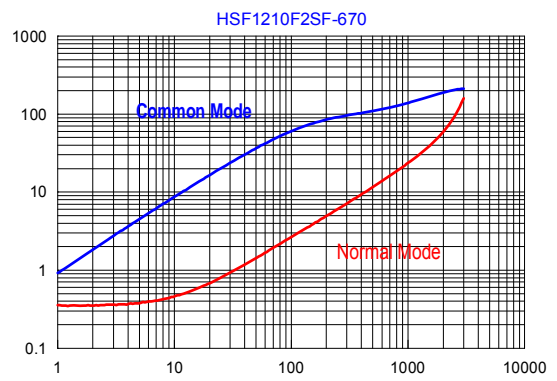
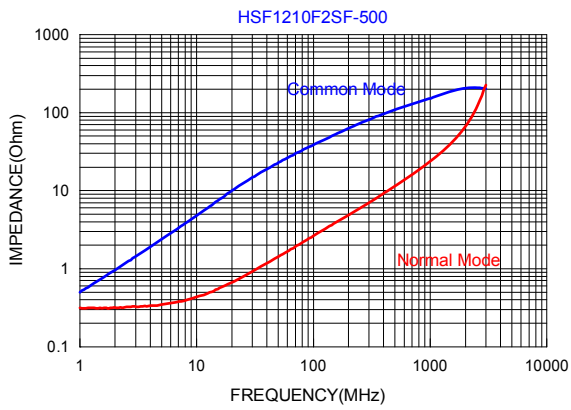
3.Part Numbering



- A: Series
 B: Dimension
 C: Material Ferrite
 D: Number of Lines 2=2 lines
 E: Type S=One Circuit Type , N=Unshielded
 F: Lead free
 G: Impedance 900=90Ω
 H: Packaging T=Taping and Reel, B=Bulk
 I: Rated Current 02=200mA

4.Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HSF1210F2SF-500T02	50±25%	100	0.30	250	50	125	10M
HSF1210F2SF-670T02	67±25%	100	0.30	250	50	125	10M
HSF1210F2SF-900T02	90±25%	100	0.40	200	50	125	10M



Wire Wound Type Common Mode Filter

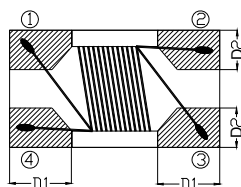
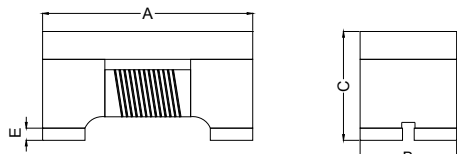
HSF2012F2SF-SERIES-H

1. Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. HSF2012F2SF series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
4. For USB3.1G2 & HDMI2.0



2. Dimension



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SF	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

3. Part Numbering

HSF	2012	F	2	S	F	-	670	T	04	-	H
A	B	C	D	E	F		G	H	I		J

- A: Series
 B: Dimension
 C: Material Ferrite Core
 D: Number of Lines 2=2 lines
 E: Type S=Shielded , N=Unshielded
 F: Lead free
 G: Impedance 600=60Ω
 H: Packaging T=Taping and Reel
 I: Rated Current 02=200mA
 J: Control S/N

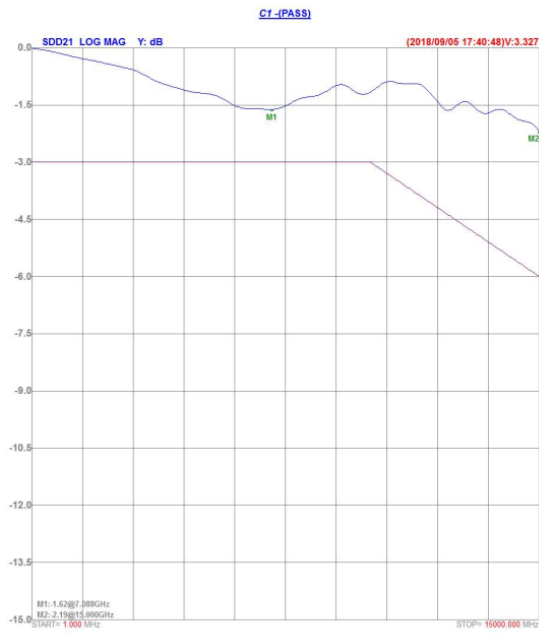
4. Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HSF2012F2SF-300T04-H	30±25%	100	0.20	400	50	125	10M
HSF2012F2SF-600T03-H	60±25%	100	0.30	300	50	125	10M
HSF2012F2SF-900T03-H	90±25%	100	0.30	300	50	125	10M

Insertion Loss Test

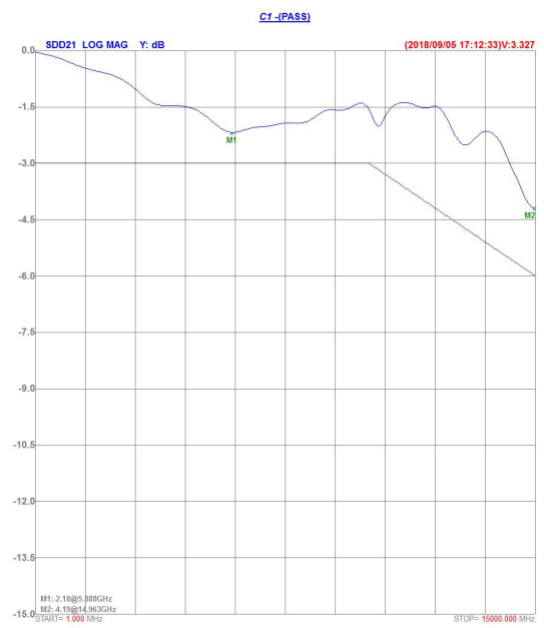
HSF2012F2SF-300T04-H

USB3.1 Choke Insertion Loss Graphic result



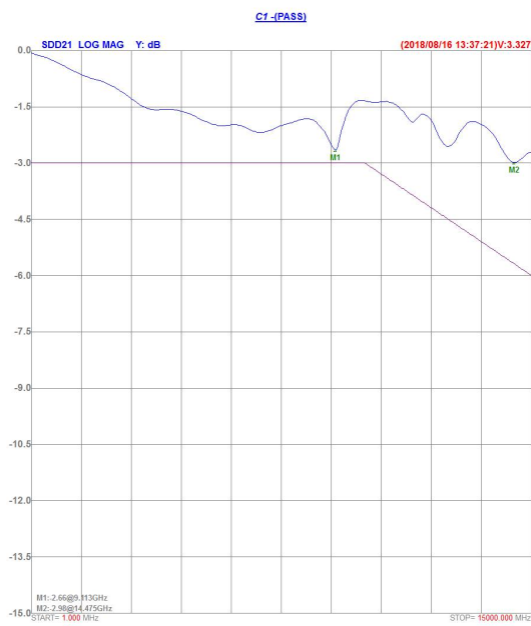
HSF2012F2SF-600T03-H

USB3.1 Choke Insertion Loss Graphic result



HSF2012F2SF-900T03-H

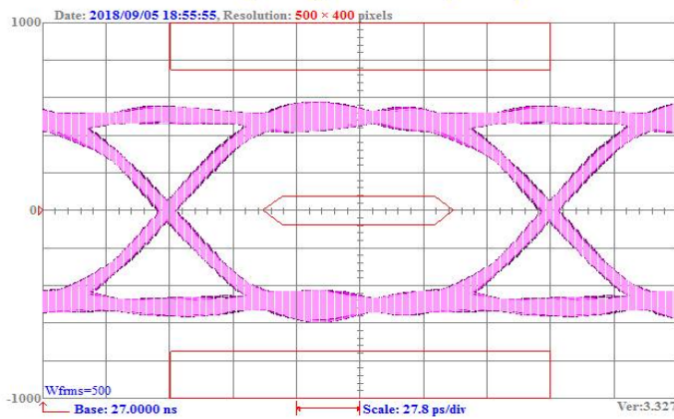
USB3.1 Choke Insertion Loss Graphic result



Eye Diagram Graphic Test

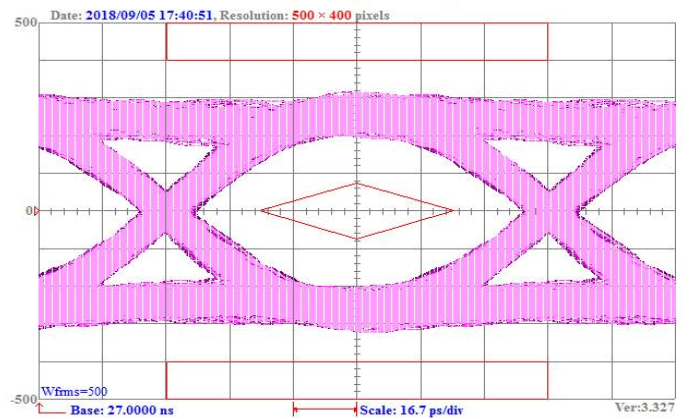
HSF2012F2SF-300T04-H

HDMI2.0 Choke Eye Diagram with-25ps Graphic result



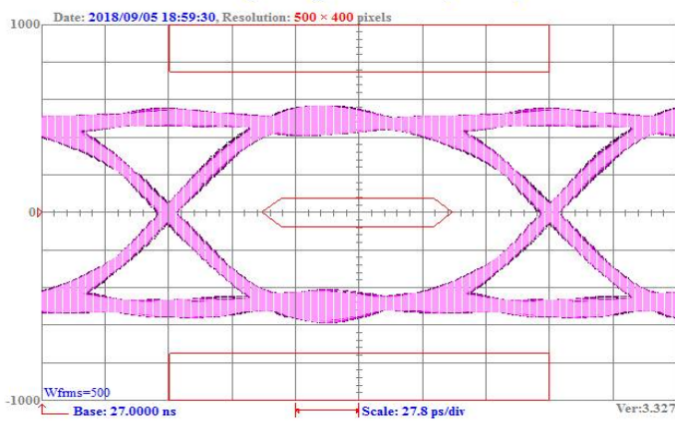
HSF2012F2SF-300T04-H

USB3.1 Choke Eye Diagram Graphic result



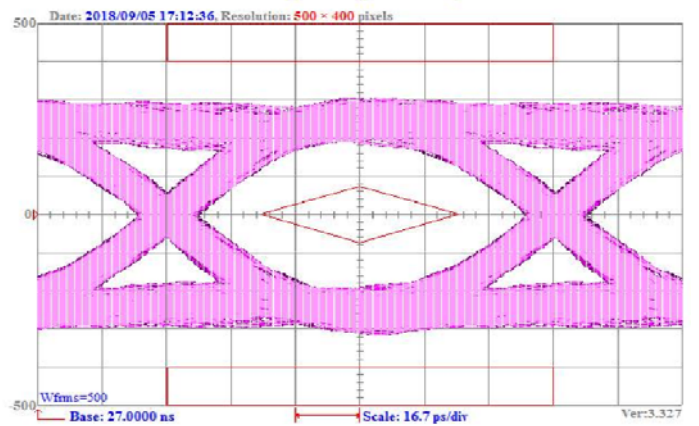
HSF2012F2SF-600T03-H

HDMI2.0 Choke Eye Diagram with-25ps Graphic result



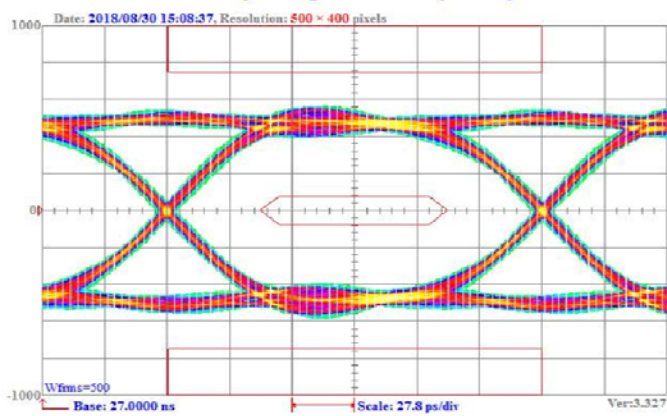
HSF2012F2SF-600T03-H

USB3.1 Choke Eye Diagram Graphic result



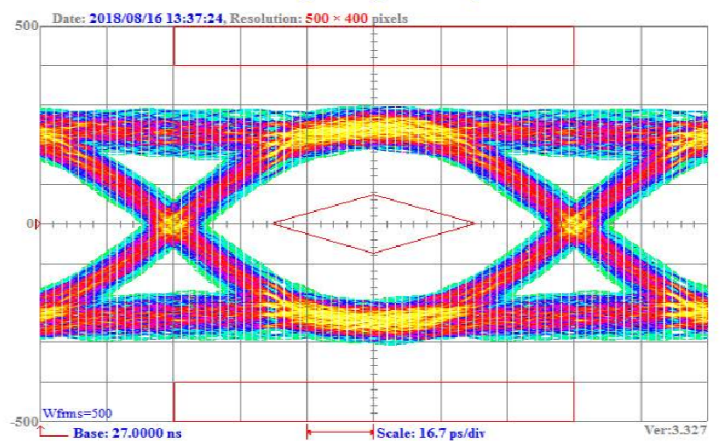
HSF2012F2SF-900T03-H

HDMI2.0 Choke Eye Diagram with-25ps Graphic result



HSF2012F2SF-900T03-H

USB3.1 Choke Eye Diagram Graphic result

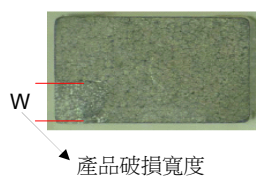
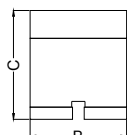
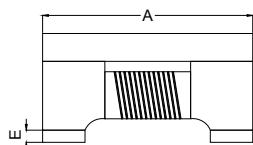


1.Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. HSF2012F2SF series realizes small size and low profile. 2.0x1.2x1.2 mm.
3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

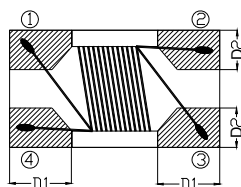


2.Dimension



當破損面積 < 5%, 產品列入允收品範圍

產品破損寬度



Series	A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
2012F2SF	2.0±0.2	1.2±0.2	1.2±0.2	0.50±0.1	0.51±0.1	0.15±0.1

3.Part Numbering



- A: Series
- B: Dimension
- C: Material Ferrite Core
- D: Number of Lines 2=2 lines
- E: Type S=Shielded , N=Unshielded
- F: Lead free
- G: Impedance 670=67 Ω
- H: Packaging T=Taping and Reel
- I: Rated Current 04=400mA

4.Specification

TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
HSF2012F2SF-500T04	50±25%	100	0.25	400	50	125	10M
HSF2012F2SF-670T04	67±25%	100	0.30	400	50	125	10M
HSF2012F2SF-900T04	90±25%	100	0.30	400	50	125	10M

