

# Wire Wound Type Common Mode Filter

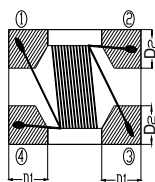
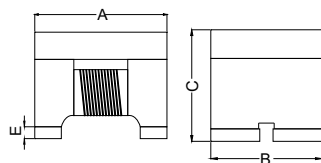
HSF1210F2SF-SERIES-U4

## 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. For USB3.1G1/2、HDMI2.0/2.1、USB4.0、Thunderbolt.
5. Operating temperature -40~+125°C (Including self - temperature rise)



## 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.

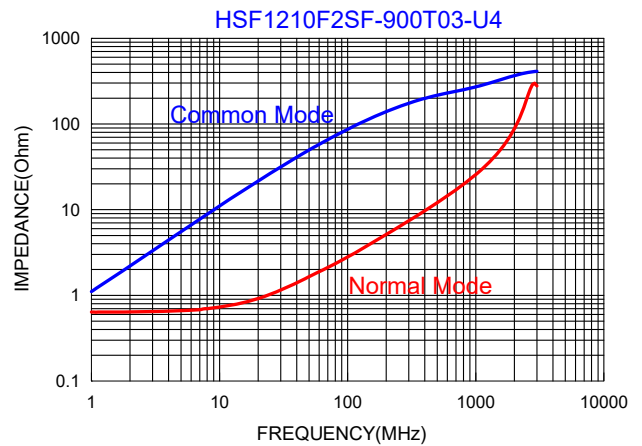
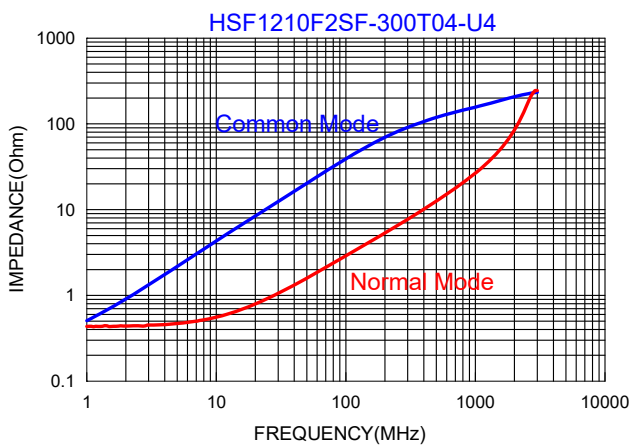
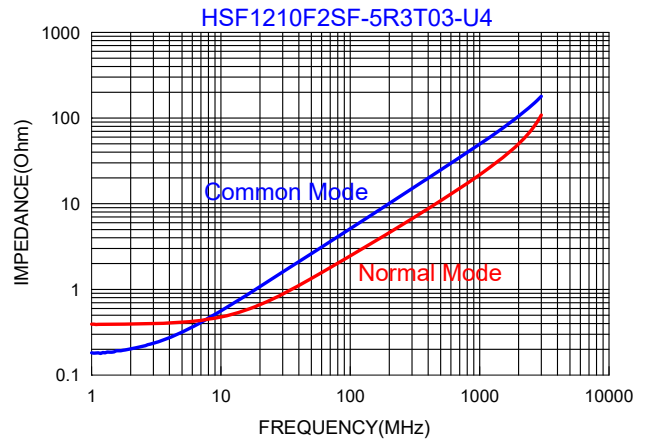
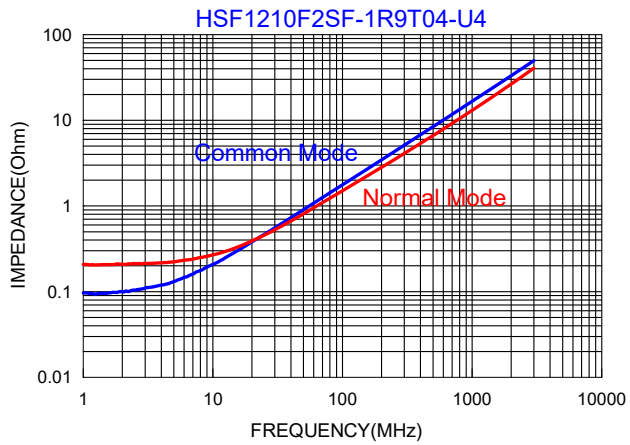
## 3. Part Numbering

HSF	1210	F	2	S	F	-	900	T	03	-	U4
A	B	C	D	E	F		G	H	I		J

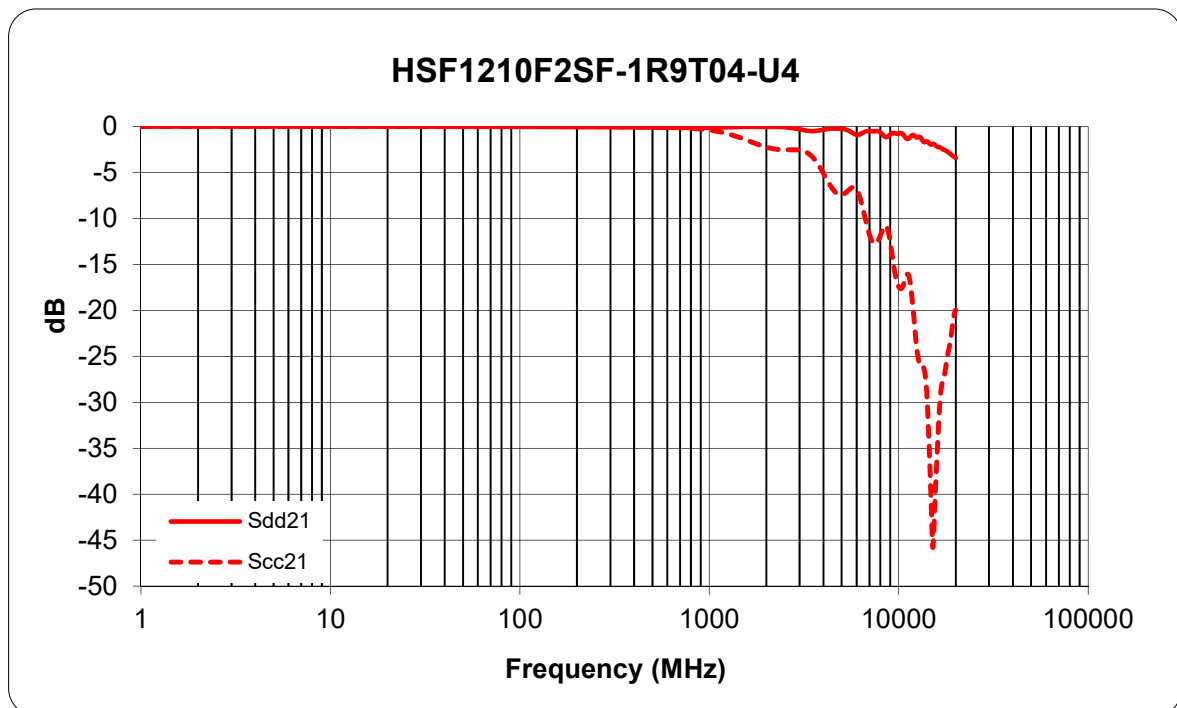
- A: Series  
 B: Dimension  
 C: Material                      Ferrite  
 D: Number of Lines            2=2 lines  
 E: Type                            S=Shielded, N=Unshielded  
 F: Lead free  
 G: Impedance                    900=90Ω  
 H: Packaging                      T=Taping and Reel, B=Bulk  
 I: Rated Current                03=300mA  
 J: Control S/N

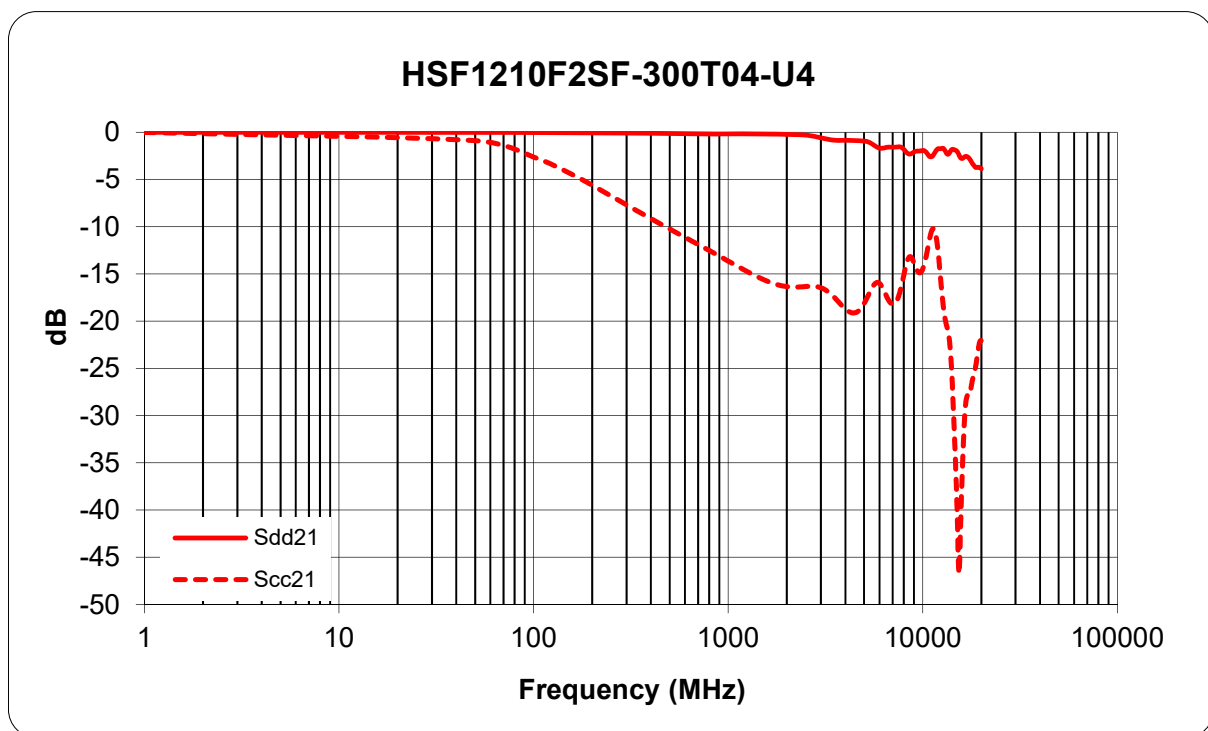
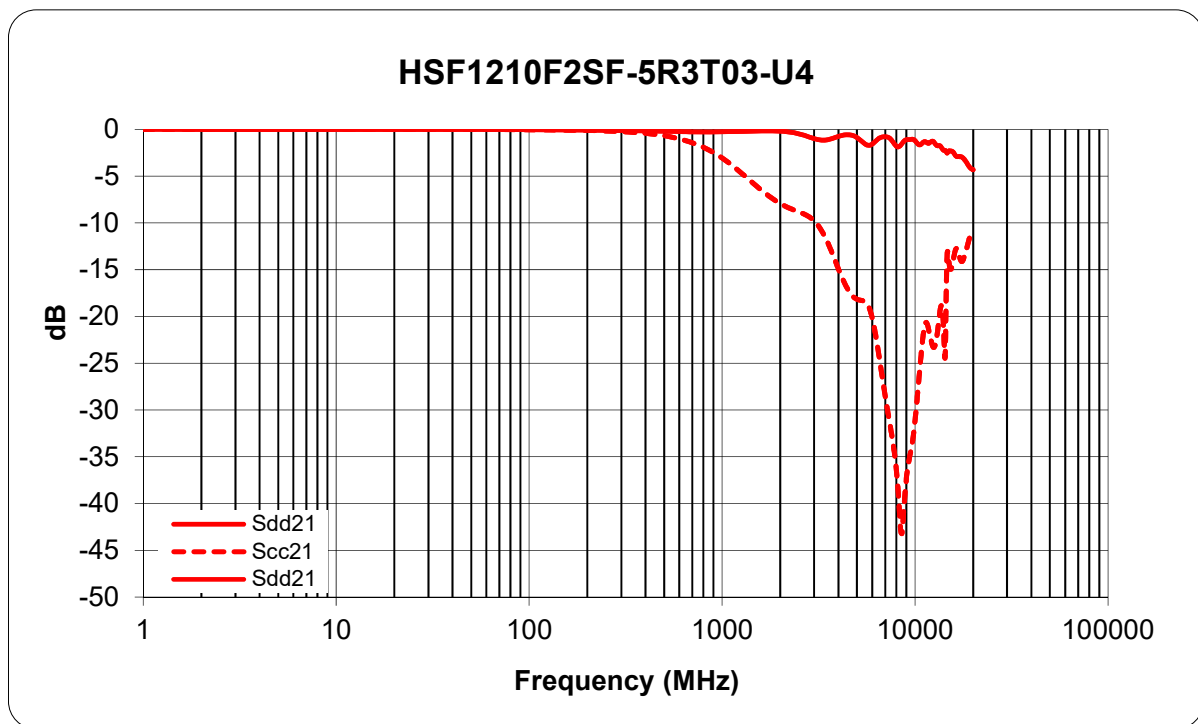
## 4. Specification

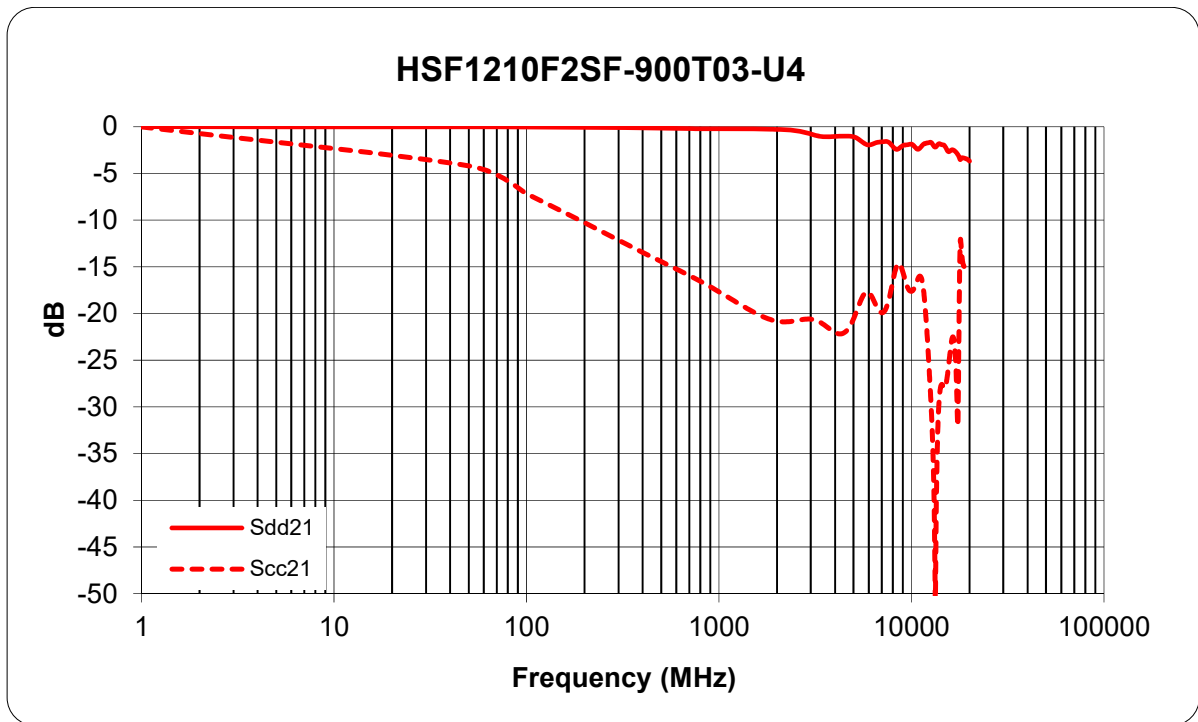
TAI-TECH Part Number	Common mode Impedance (Ω) Typ.	Test Frequency (MHz)	Cut-off Frequency (GHz)Typ.	DC Resistance (Ω) max.	Rated Current (mA)max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HSF1210F2SF-1R9T04-U4	1.9	100	18	0.20	400	50	125	10M
HSF1210F2SF-5R3T03-U4	5.3	100	18	0.30	300	50	125	10M
HSF1210F2SF-300T04-U4	30.0	100	18	0.20	400	50	125	10M
HSF1210F2SF-900T03-U4	90.0	100	18	0.30	300	50	125	10M



### Sdd21&Scc21







### 5. Schematic Diagram

