

规格书编号

**SPEC NO: HDF1575MP2SP01**

# 产品规格书 SPECIFICATION

CUSTOMER 客户: \_\_\_\_\_  
PRODUCT 产品: \_\_\_\_\_ SAW FILTER \_\_\_\_\_  
MODEL NO 型号: \_\_\_\_\_ HDF1575M-P2 \_\_\_\_\_  
MARKING 印字: \_\_\_\_\_ C029 \_\_\_\_\_  
PREPARED 编制: \_\_\_\_\_ CHECKED 审核: \_\_\_\_\_  
APPROVED 批准: \_\_\_\_\_ D A T E 日期: \_\_\_\_\_ 2014-4-4 \_\_\_\_\_

客户确认 CUSTOMER RECEIVED:		
审核 CHECKED	批准 APPROVED	日期 DATE

无锡市好达电子有限公司  
Shoulder Electronics Limited

## 更改历史记录 History Record

更改日期 Date	规格书编号 Spec. No.	产品型号 Part No.	客户产品型号 Customer No.	更改内容描述 Modify Content	备注 Remark

## 1. Features

SAW filter for GPS.

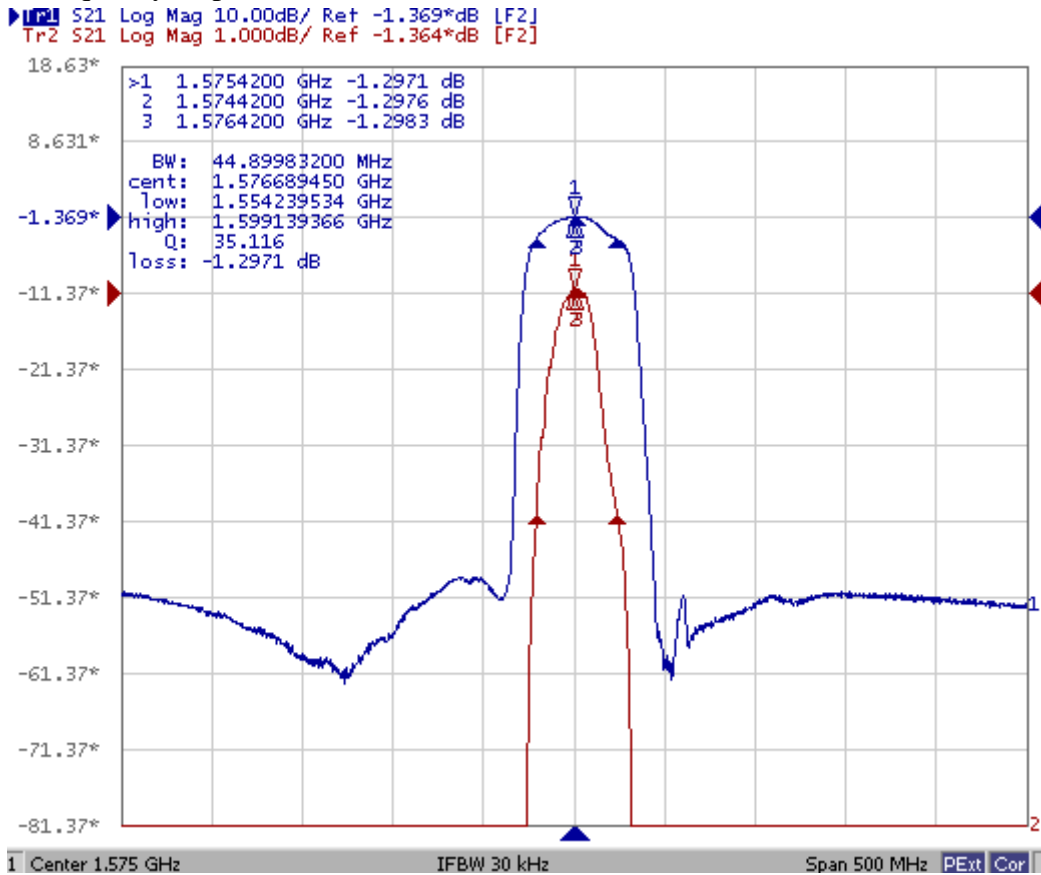
- High stability and reliability with good performance and no adjustment.
- Narrow and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.
- Low – loss SAW filter for GPS.

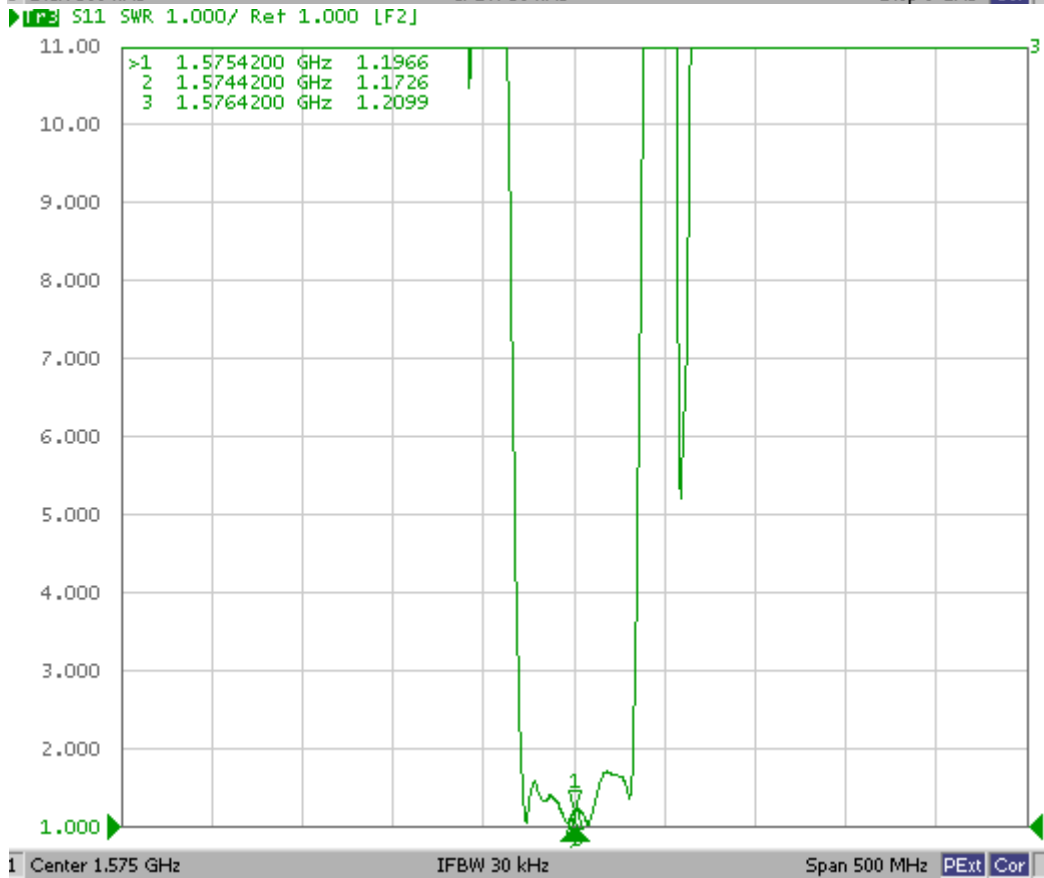
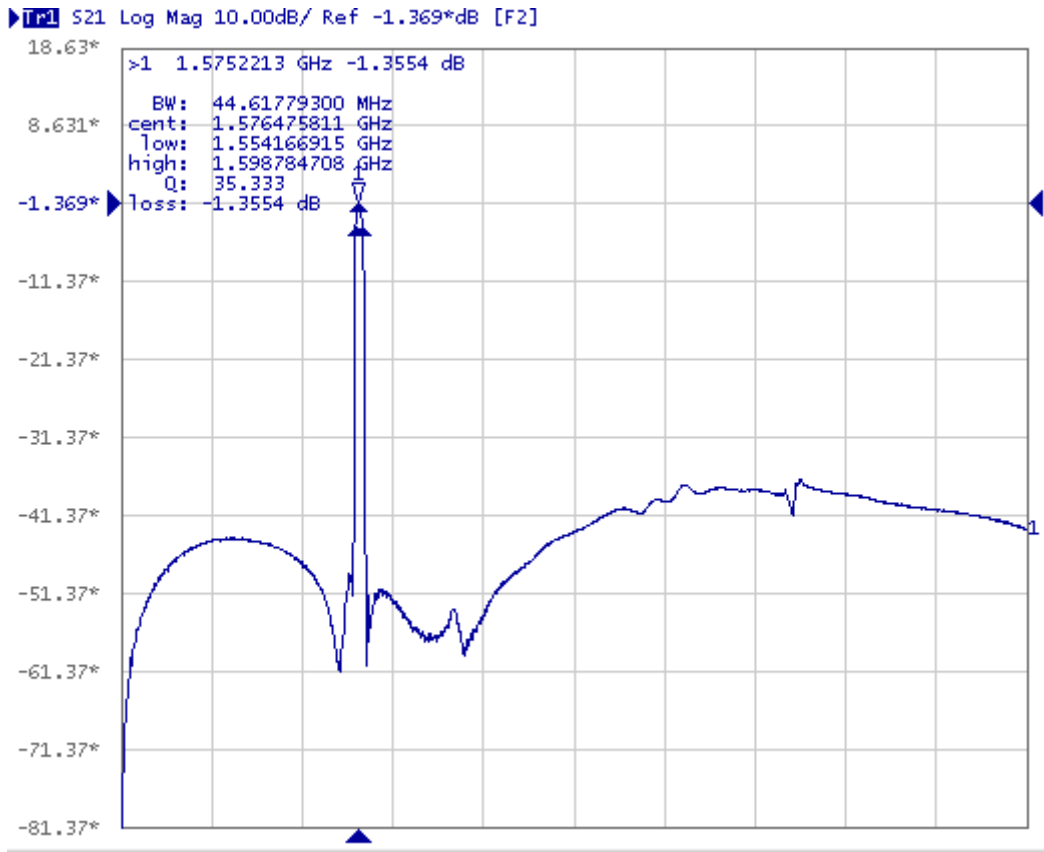
## 2. ELECTRICAL SPECIFICATION

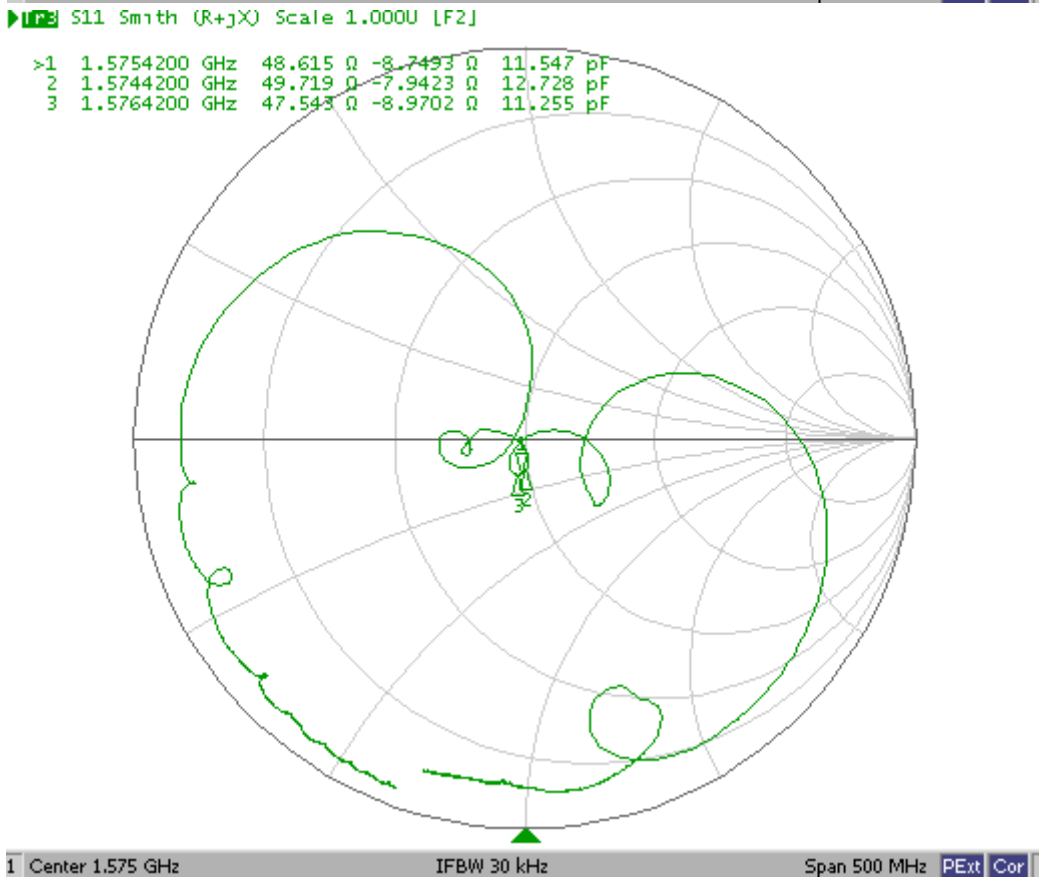
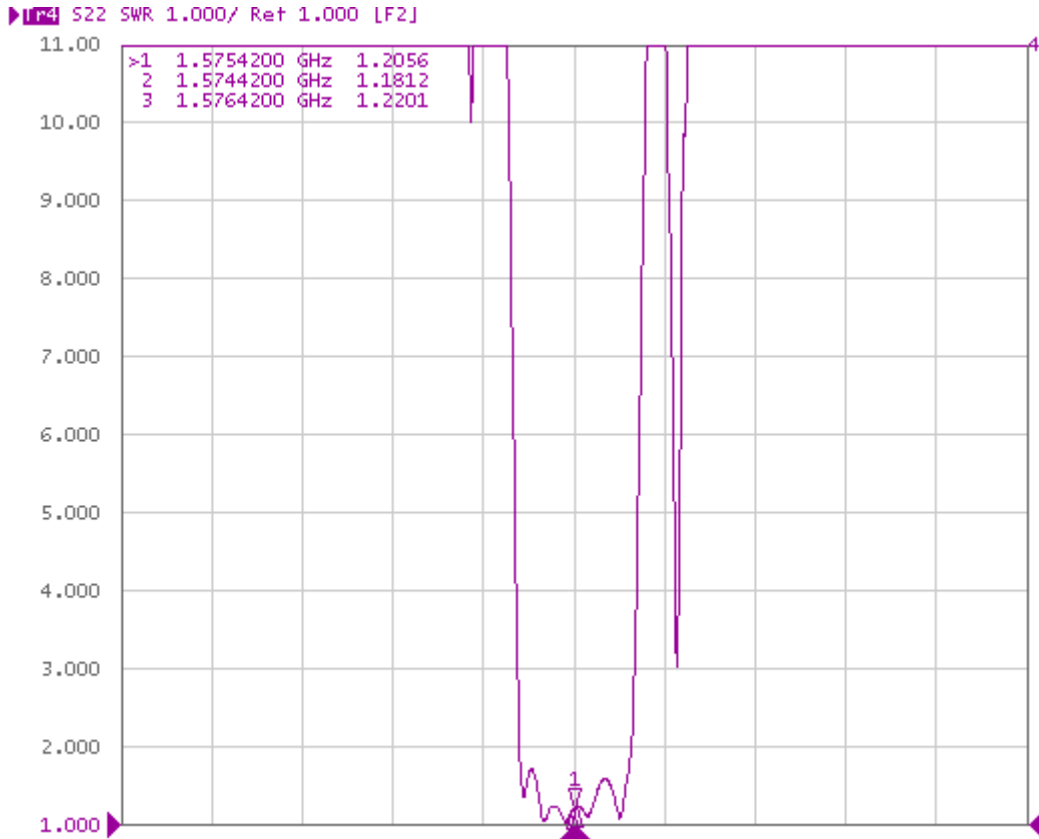
Items	Rating	unit
Maximum Working Voltage	0	V <sub>dc</sub>
Maximum Working Power	10	dBm
Operating Temperature Range	-40 ~ +85	°C
Storage Temperature Range	-40 ~ +85	°C

Electronic Characteristics

### 2-1. Typical frequency response

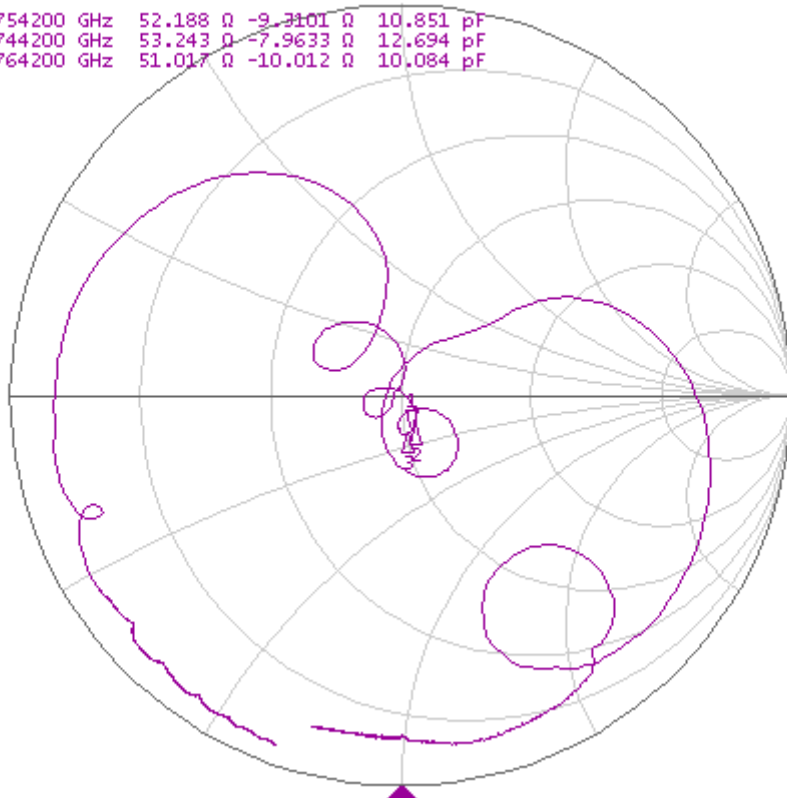






▶ Tr4 S22 Smith (R+jX) Scale 1.000U [F2]

```
>1 1.5754200 GHz 52.188 Ω -9.3101 Ω 10.851 pF
  2 1.5744200 GHz 53.243 Ω -7.9633 Ω 12.694 pF
  3 1.5764200 GHz 51.017 Ω -10.012 Ω 10.084 pF
```



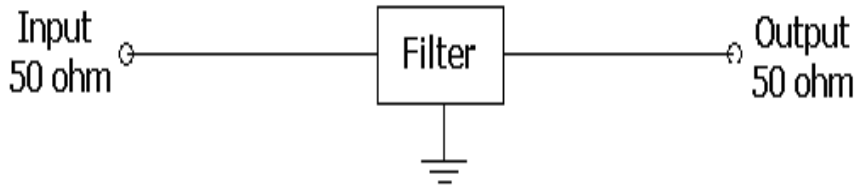
1 Center 1.575 GHz IFBW 30 kHz Span 500 MHz PExt Cor

2-2. Electrical characteristics

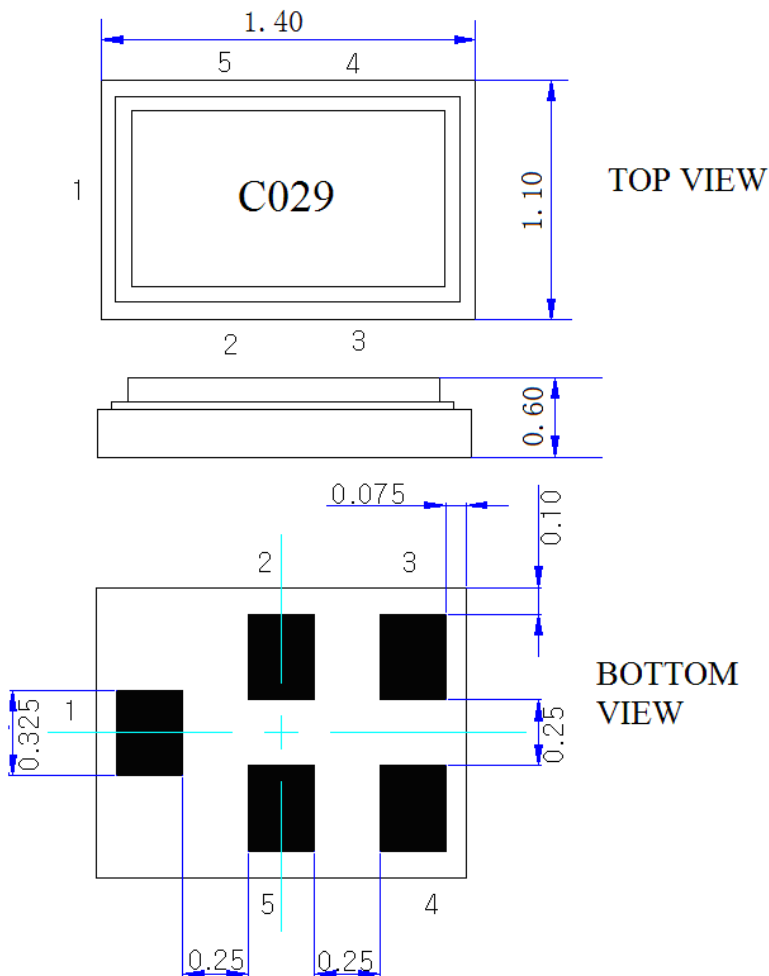
AT 25°C ± 5°C

Items	Test Condition	Min	Typ	Max	Unit
Center Frequency	-	-	1575.42	-	MHz
Insertion Loss	F0 ± 1.2 MHz	-	1.3	1.6	dB
Ripple Level	F0 ± 1.2 MHz	-	0.1	0.5	dB
Attenuation	D.C~1476MHz	42	45	-	dB
	1425~1525MHz	46	50	-	dB
	1625~1725MHz	48	52	-	dB
	1725~1850MHz	48	52	-	dB
	1850~2000MHz	48	50	-	dB
	2000~3000MHz	38	40	-	dB
VSWR	1574.22~1576.62MHz	-	1.2	1.6	-
Input/Output Impedance	-	-	50	-	ohm

**3. TEST CIRCUIT**



**4. DIMENSION**



Pin configuration

- 1. Input
- 4. Output
- 2,3,5 To be grounded