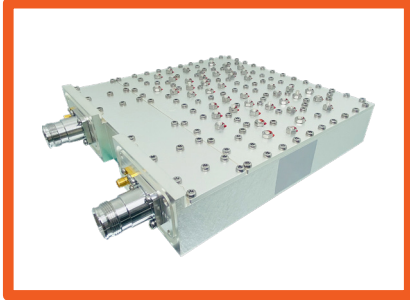


# S Band Cavity Filter

## JFCB3450T3550MDF-A

### Description:

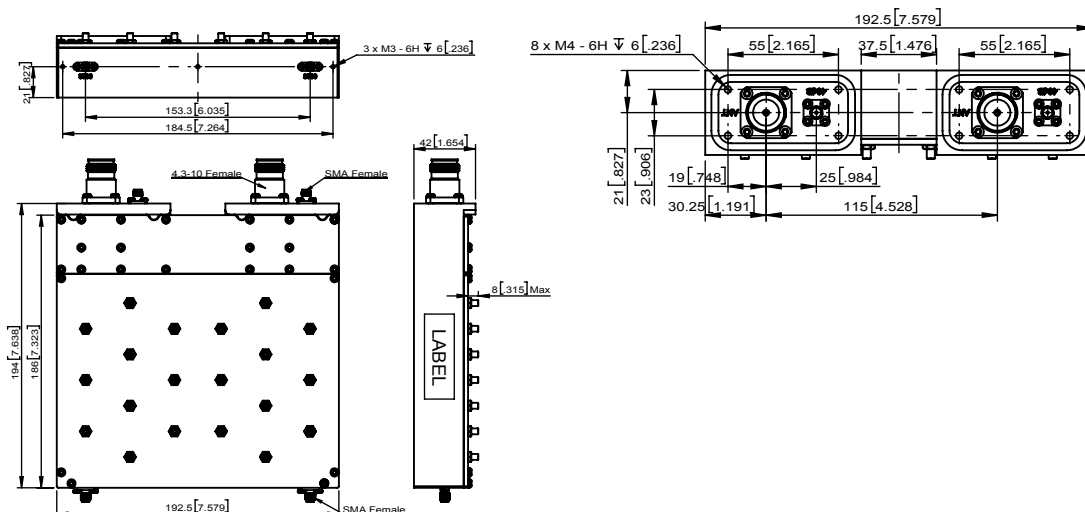


JFCB3450T3550MDF-A is a cavity filter in frequency of 3.450~3.550GHz. The device is extremely stable over the temperature range of -40°C to +85°C, with maximum insertion loss of 1.2dB and minimum return loss of 20 Min@Port ANT || 20 Min@Port 3500 || 16 Min@Port Coupler. It can handle Input Power FWD/REV/PK(Watt) of 100 Average; Port 3500->Port ANT: 1000 Peak(1μs/1ms)

### Electrical Specification

| ITEM                                     | SPECIFICATIONS                                                                                                                                                                                                                                            |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency(MHz)                           | 3450~3550                                                                                                                                                                                                                                                 |
| Insertion Loss(dB) (Over temperature)    | 1.2 Max                                                                                                                                                                                                                                                   |
| Nominal impedance(Ω)                     | 50                                                                                                                                                                                                                                                        |
| Attenuation(dB)<br>Port 3500 <->Port ANT | 90 Min@DC~1695MHz<br>90 Min@1695~1915MHz<br>90 Min@1930~2200MHz<br>90 Min@2305~3375MHz<br>35 Min@3375~3430MHz<br>20 Min@3430~3440MHz<br>20 Min@3560~3570MHz<br>35 Min@3570~3625MHz<br>65 Min@3625~6000MHz<br>25 Min@6000~8100MHz<br>25 Min@10350~10750MHz |
| Coupling -40dB(dB)                       | Coupling: -40±2<br>Ripple: ±0.3 Max<br>Directivity: 13 Min                                                                                                                                                                                                |
| Power(W)<br>Port 3500->Port ANT          | 100 Average<br>1000 Peak(1μs/1ms)                                                                                                                                                                                                                         |
| Return Loss(dB)                          | 20 Min@Port ANT<br>20 Min@Port 3500<br>16 Min@Port Coupler                                                                                                                                                                                                |
| Connector                                | Port 3500 : SMA Female<br>Port ANT: 4.3-10 Female(IP68)<br>Port Coupler -40dB : SMA Female(IP68)                                                                                                                                                          |
| Temperature Range(°C)                    | -40~+85                                                                                                                                                                                                                                                   |
| Note                                     |                                                                                                                                                                                                                                                           |

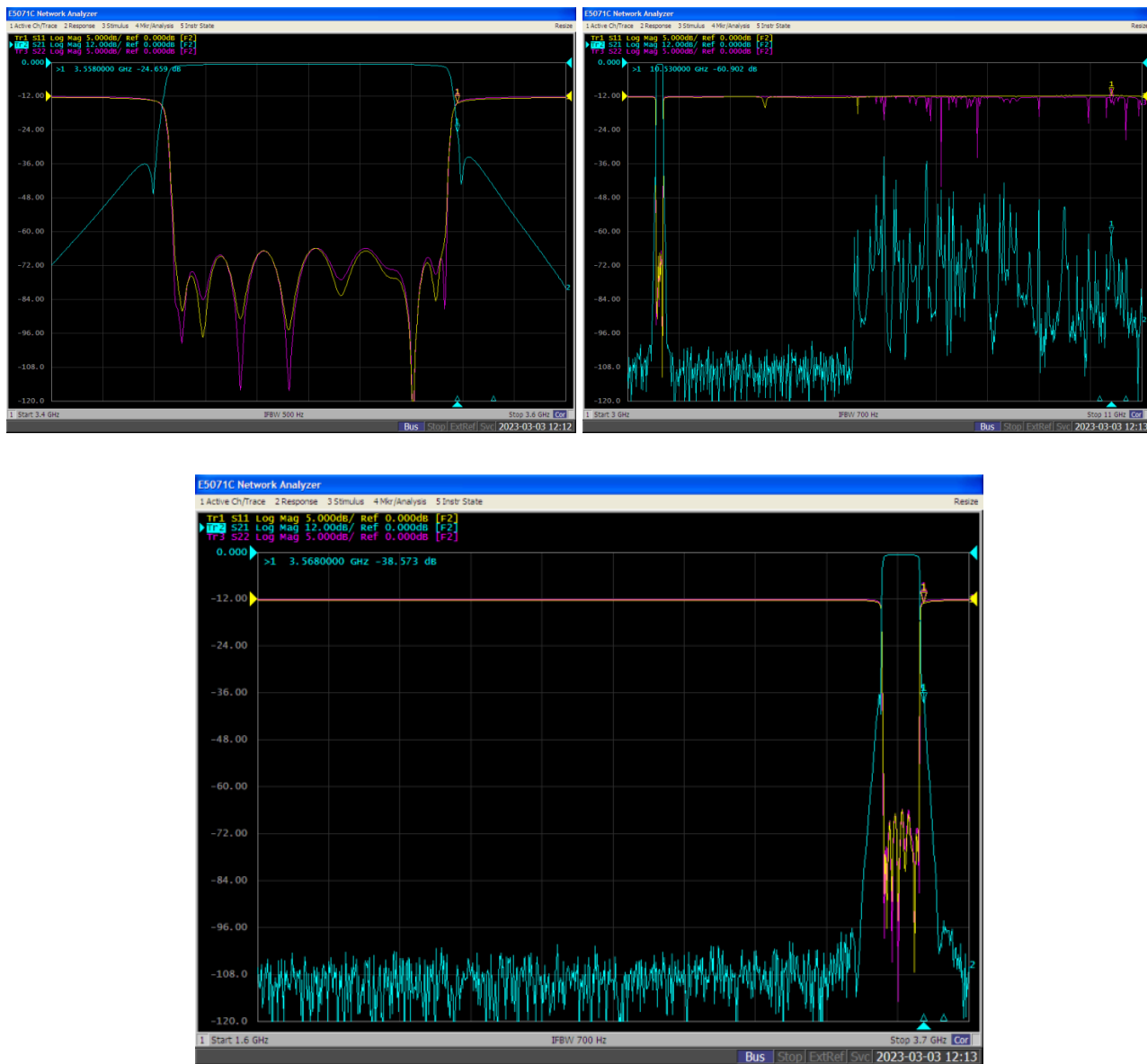
### Outline



# S Band Cavity Filter

## JFCB2200T2400SF-A

### Test Data



### Applications

- 5G