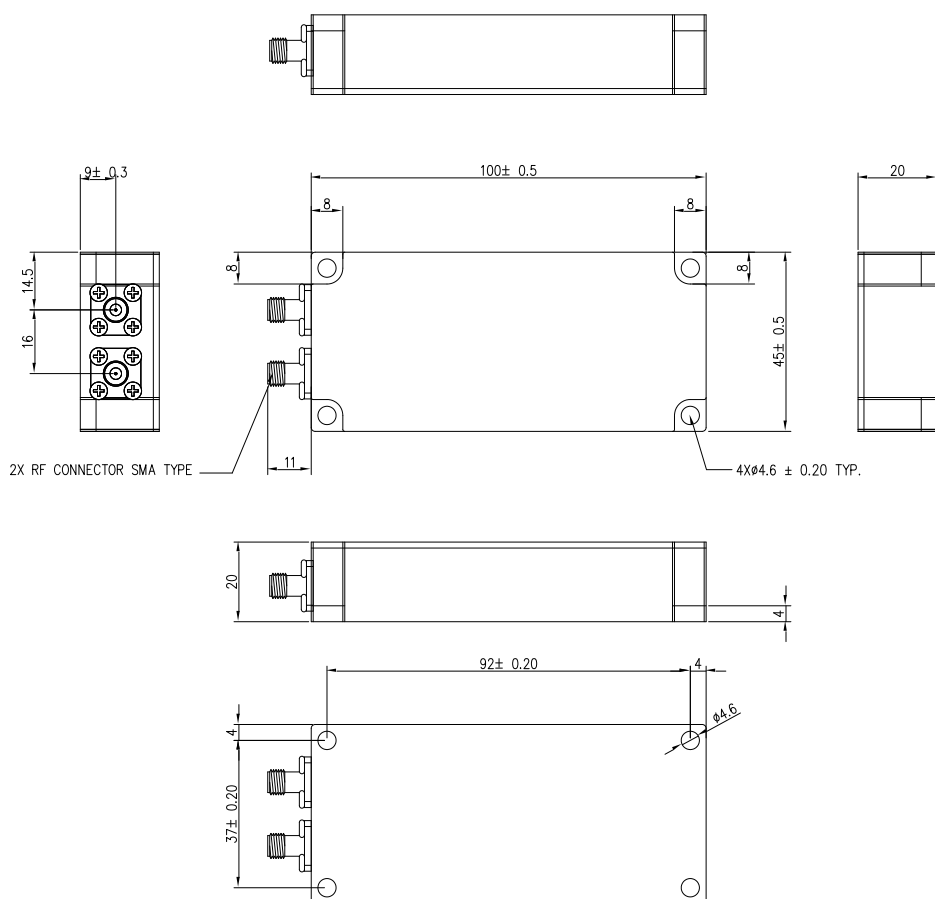


PRODUCT SPECIFICATION FOR INFORMATION

- Customer : B3NOVA
- Product Name : CAVITY BAND PASS FILTER
- Part No : MBP-C5175BP650M-D



[Mechanical 2D Drawing]

■ Electrical Specification

1. Center Frequency : 5175MHz
2. Bandwidth : 650MHz
3. Insertion Loss : 0.6dB Max.
4. Return Loss : 18dB Max.
5. Attenuation : 30dB Min @ 5700MHz
30dB Min @ 4650MHz
60dB Min @ 6000MHz
60dB Min @ 4350MHz
6. Harmonics : 60dBc @ 9500 ~ 17000MHz
7. Power Handling : 10W
8. IP rating : IP67
9. Size : 100 X 45 X 20mm

■ Environment Test Method

1>Rain

Equipment name	Model	Manufacturer	REMARK
Rain Tester	BJ-4IP	BUM JIN ENG	IPX
Test condition: MIL STD 810G Method 506.5 Procedure 1			
■5.8in/hr rain , 70mph wind , 30minutes per surface			



Figure 4.1.2.

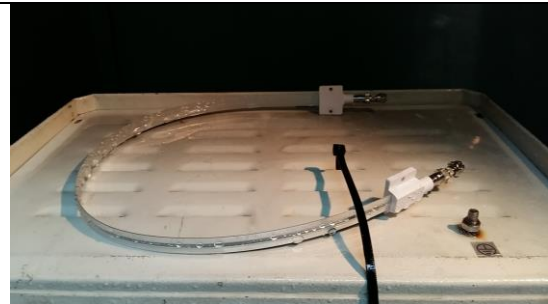


Figure 4.1.3.



Figure 4.1.4.



Figure 4.1.5.



Figure 4.1.6.



Figure 4.1.7.

2>Sand and Dust

Equipment name	Model	Manufacturer	REMARK
Dust Chamber	ST-1000U	WEISS / Germany	IP6X
Test condition: MIL STD 810G Method 510.5 Procedure 1 & 2 ■Substrate : Talcum powder The size of the dust : 50 ~ 70 μm, Density : 2kg / m^3 Decompression : Maximum depression of 2 kPa(20 mbar) Chamber Size : 1000 * 950 * 950 mm			



Figure 3.1.1.

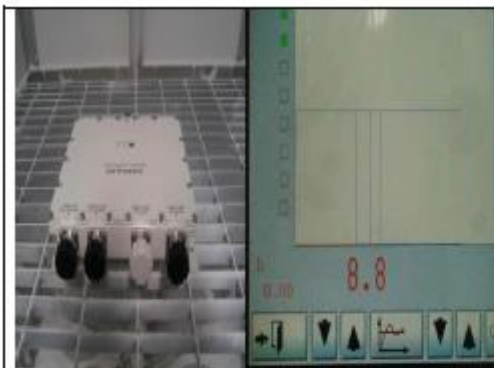


Figure 3.1.2.



Figure 3.1.3.



Figure 3.1.4.



Figure 3.1.5.

3>Snow load

Equipment name	Model	Manufacturer	REMARK
Pressure Tester	DS2, PDE,MX1000N	IMADA, NTONIC	
Test condition: 100Kg/m2			

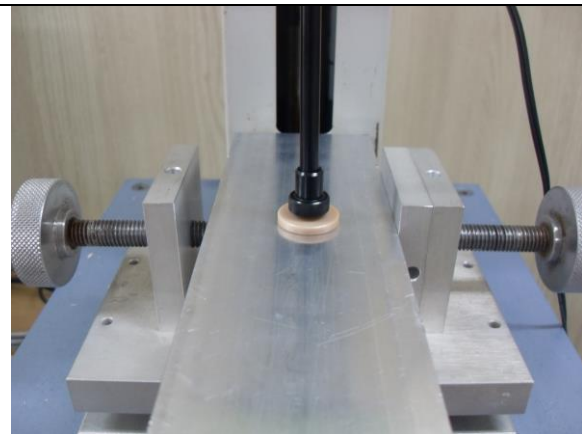


Figure 4.1.2



Figure 4.1.3



Figure 4.1.4



Figure 4.1.5

4>Salt Spray

Equipment name	Model	Manufacturer	REMARK
Salt spray machine	KR 9001	QMS / Korea	
Test condition: MIL-STD-810G METHOD 509.5 ■ Temperature : 35 ± 2 °C, Salinity: 5 ± 0.5 %, PH Value : 6.5~7.2 ppm			



Figure 3.2.1



Figure 3.2.2



Figure 3.2.3



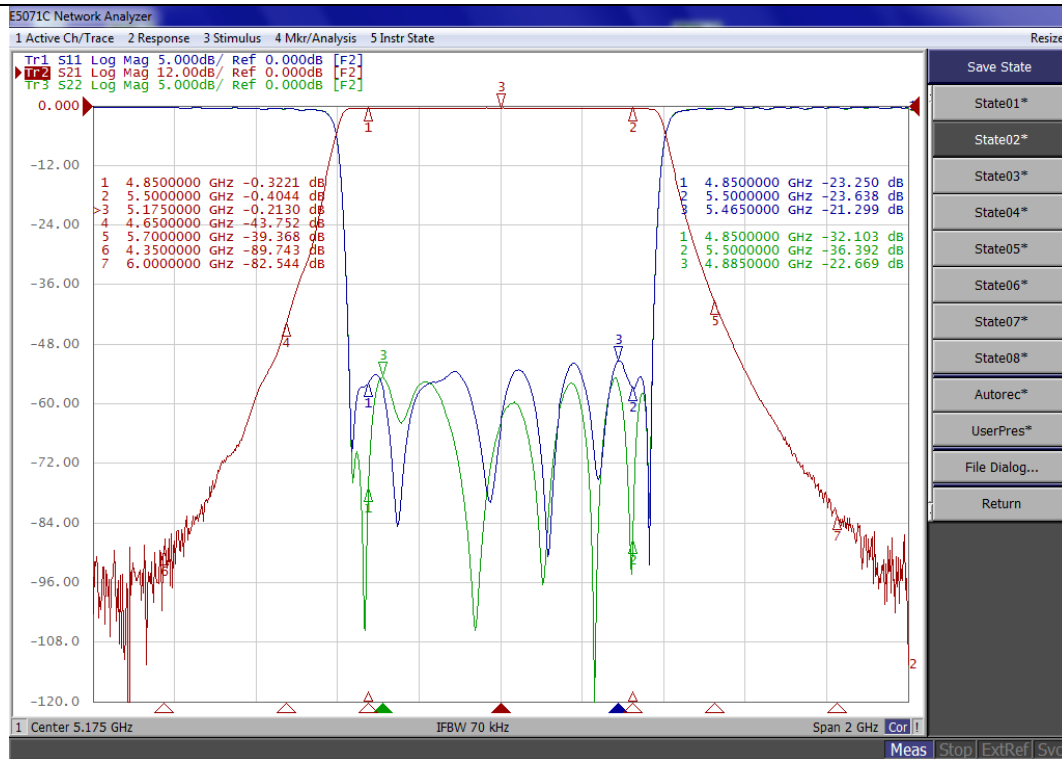
Figure 3.2.4



Figure 3.2.5

■ PLOT DATA

Insertion Loss & Return Loss



Harmonics up to 17GHz

