



## 1. Feature

- ▶ High Performance
- ▶ High Reliability
- ▶ RoHS Compliant

**Bandpass Filer**

**Part No: CBF01625M01750Q06N**

**Date: Aug.2th.2024**

**Revision No: Preliminary**

## 2. Electrical Specifications

| Parameter             | Specification                                                                                                                                                                                                | Remark |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Passband              | 1625-1750MHz                                                                                                                                                                                                 |        |
| Insertion Loss        | $\leq 1.0\text{dB}$                                                                                                                                                                                          |        |
| Ripple in Passband    | $\leq 0.4\text{dB}$                                                                                                                                                                                          |        |
| VSWR                  | $\leq 1.5$                                                                                                                                                                                                   |        |
| Group Delay Variation | +/- 5 nsec MAX Over any 5 MHz Band within Passband                                                                                                                                                           |        |
| Rejection             | $\geq 60\text{dB}@DC-1300\text{MHz}$<br>$\geq 50\text{dB}@1300-1575\text{MHz}$<br>$\geq 25\text{dB}@1900-2050\text{MHz}$<br>$\geq 30\text{dB}@2200-2400\text{MHz}$<br>$\geq 60\text{dB}@3000-6000\text{MHz}$ |        |
| Avarege Power         | 20W                                                                                                                                                                                                          |        |
| Impedance             | 50 OHMS                                                                                                                                                                                                      |        |

## 3. Environmental Specifications

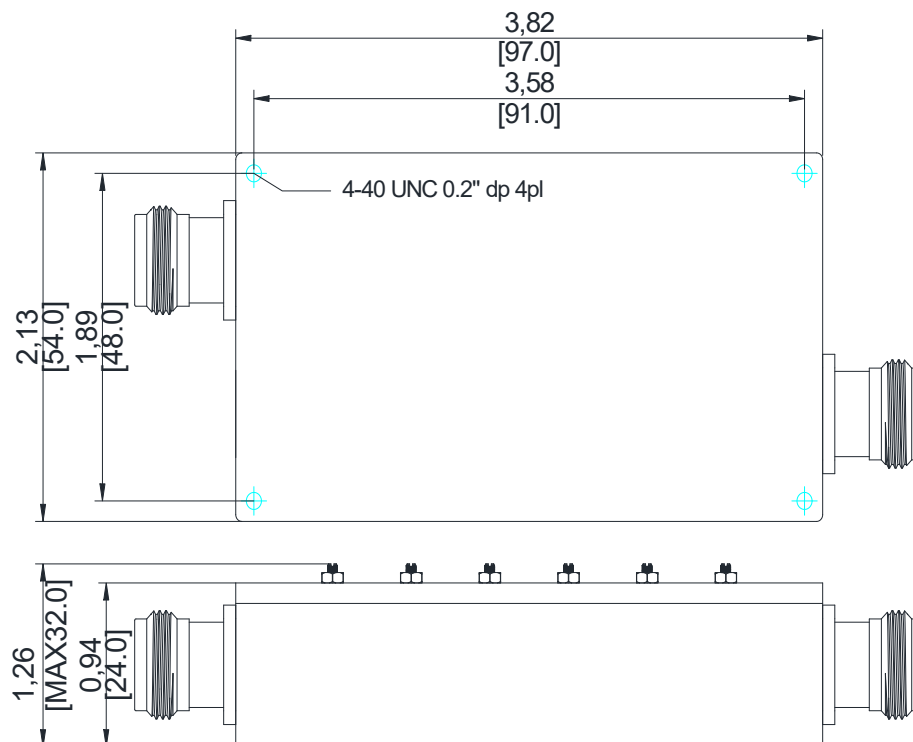
| Parameter             | Specifications | Remark |
|-----------------------|----------------|--------|
| Operating Environment | -40°C to +85°C |        |
| Storage Temperature   | -55°C to +95°C |        |

## 4. Mechanical Specifications

| Parameter      | Specifications                                                 | Remark |
|----------------|----------------------------------------------------------------|--------|
| Dimensions     | 97.0x54.0x24mm<br>(Exclusive the connectors and tuning screws) |        |
| Connector Type | N-female                                                       |        |
| Surface Finish | Black Painting                                                 |        |



**5.Outline Drawing (±0.5mm )**



## 6. Test Curve



**CONCEPT**

