PRELIMINARY SPECIFICATION

# Product Name : Cavity Band Pass Filter(13F1800)

# Part No : MBP-C1792.5_165MN-A

| | Rev. No. | Description | Date | Author | Final Approver |
|---|---|---|---|---|---|
| 1 | A | Draft | 2021.08.27 | Bryan Jeon | Michael Jeon |
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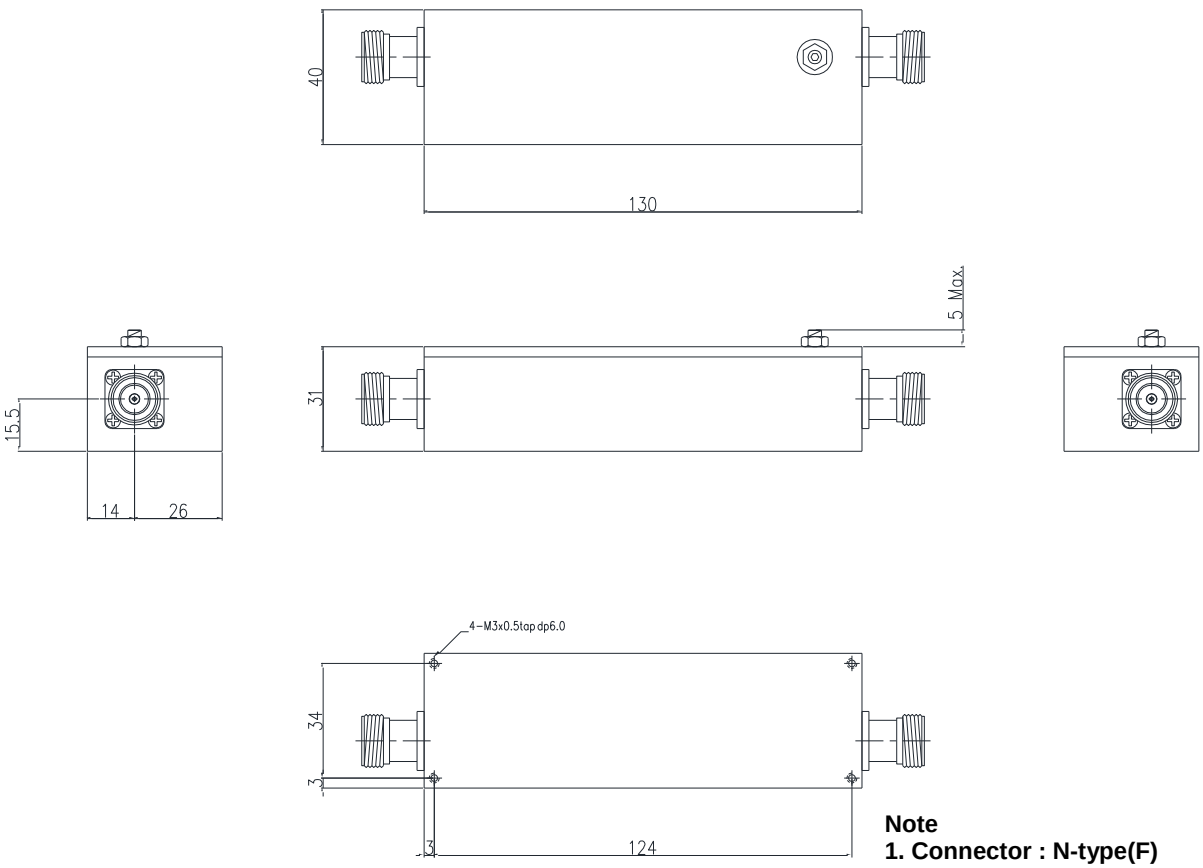
# PRODUCT SPECIFICATION FOR INFORMATION

## ■ Mechanical Drawing




**Note**
**1. Connector : N-type(F)**
**2. Finish : Black epoxy**
**3. Mounting : 4x holes**

## ■ Electrical Specification

| Parameter | | Specification | Remark |
|---|---|---|---|
| 1. Center Frequency [Fc] | | 1792.5MHz | |
| 2. Pass Band [1dB BW] | | 1710~1875MHz<br>(Fc ± 82.5MHz) | |
| 3. Insertion Loss | | 1.5 dB Max. | |
| 4. VSWR | | 1:1.4 Max. | |
| 5. Rejection | DC~1600MHz | 60 dB Min. | |
| | 1925~6000MHz | 60 dB Min. | |
| 6. Power Handling | | 10W CW | |
| 7. In/Out Impedance | | 50Ω | |
| 8. Size | | 130.0 × 40.0 × 31.0 mm | proposal |

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

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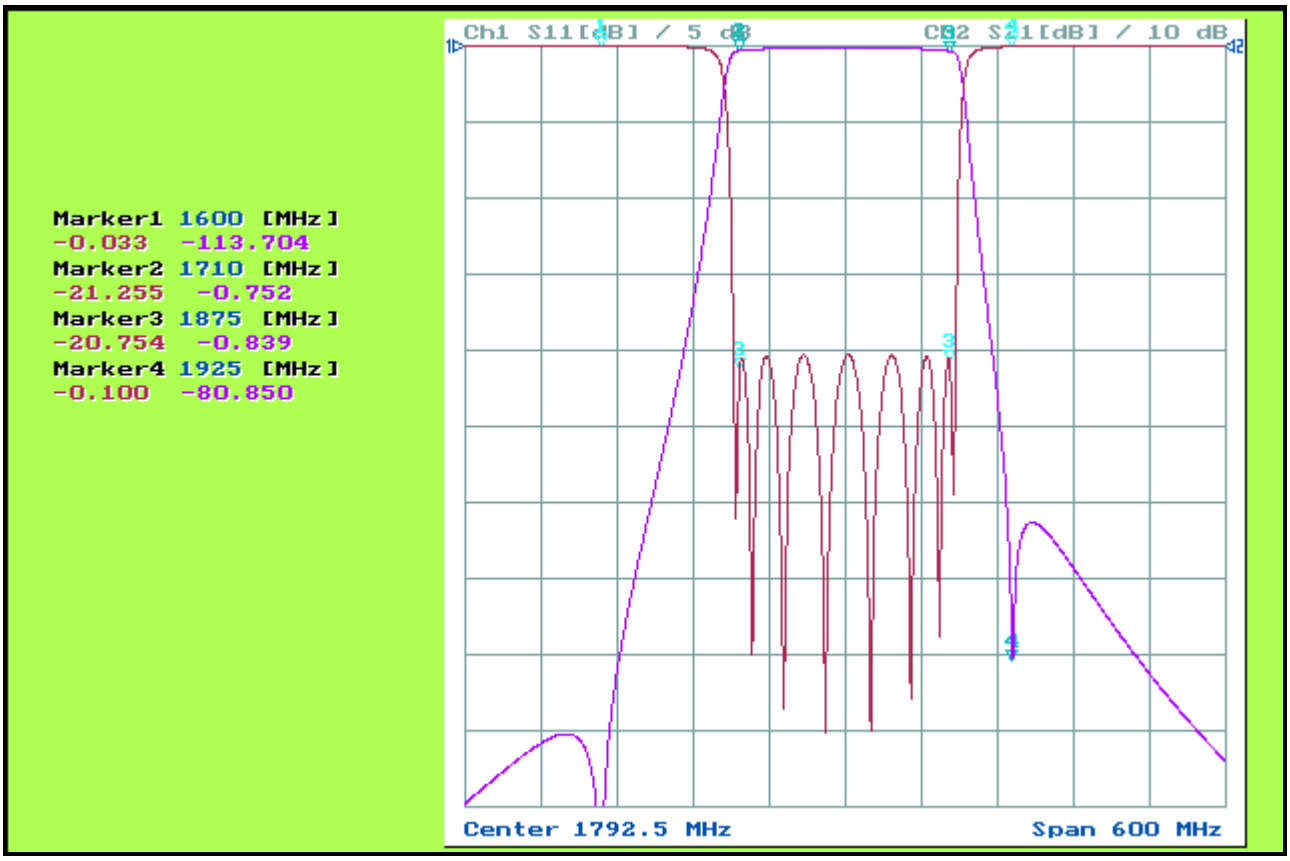
■ **Environmental Specification**

| Parameter | Specification | Remark |
|---|---|---|
| 1. Operation Temperature | -20℃ ~ +80℃ | |
| 2. Storage Temperature | -20℃ ~ +80℃ | |
| 3. Relative Humidity | 10% ~ 95% | |
| 4. Random Vibration | MIL-STD-810 F Method 514.4 Procedure C1.<br>3 Axis, 20 min per each axis | |
| 5. Dust | MIL 810F Method 510.4 Procedure Ⅲ settling dust | |
| 6. Safety Requirement | Approved according to UL/CE or similar standards | |

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

■ **Simulation Data**

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