

# Technical proposal for JX-CF1-158.3M161.8M-1MNT Cavity Filter

- ◆ High Performance
- ◆ High Reliability

## Revision History

| Version | Date       | Author | Revision description | Comment |
|---------|------------|--------|----------------------|---------|
| V1.0    | 2019/05/23 | Lee    | Created              | /       |
|         |            |        |                      |         |

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## 1. Mechanical layout

Table 1 Mechanical specifications @ JX-CF1-158.3M161.8M-1MNT

|            |  |
|------------|--|
| Dimension  | L x W x H: 228.6mm x 40.4mm x 80.3mm (Max 103.3) |
| Connectors | N-Female   |
| Notes      | Material shall be RoHS 6/6                       |

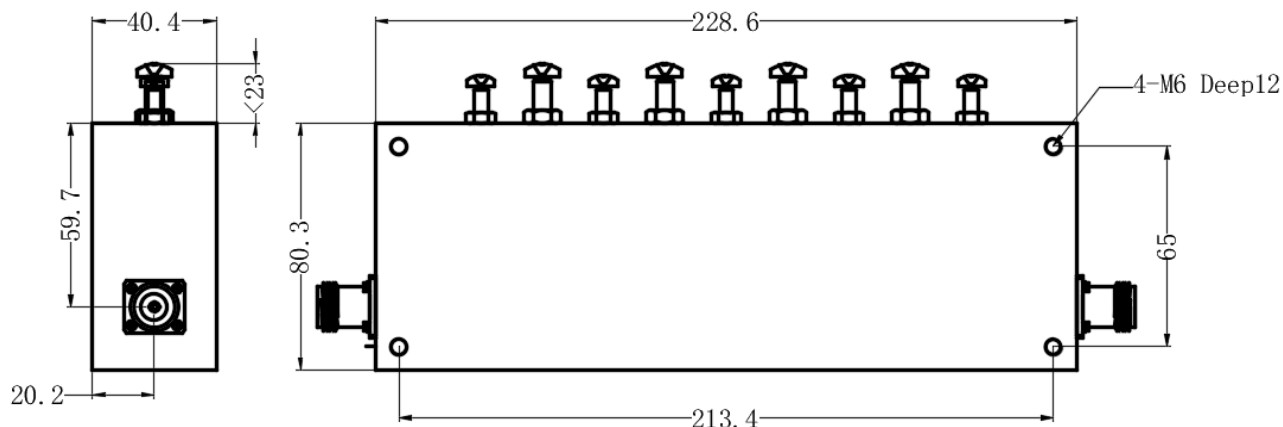


Figure 1 JX-CF1-158.3M161.8M-1MNT front panel layout

## 2. Electrical specifications

Table 2 Electrical specifications @ JX-CF1-158.3M161.8M-1MNT

| Item | Parameter                    | Spec           |
|------|------------------------------|----------------|
| 1    | Adjustable frequency range   | 158.3-161.8MHz |
| 2    | Bandwidth                    | 1MHz           |
| 3    | Return loss                  | ≥18dB          |
| 4    | Max insertion loss           | ≤5.0dB         |
| 5    | Rejection (Side edges 5MHz)  | ≥50dB          |
|      | Rejection (Side edges 10MHz) | ≥80dB          |
| 6    | Power input                  | 2W             |
| 7    | Impedance all ports          | 50 Ohm         |
| 8    | Operating Temperature        | -30°C~+60°C    |
| 9    | Storage Temperature          | -40°C~+100°C   |

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