

# Technical Proposal for JX-CI-157M159M-120NF Dual Junction Coaxial Isolator

- ◆ High Performance
- ◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2020/11/12	Lin liqun	Created	/

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## 1. Mechanical layout

Table 1 Mechanical specifications

Dimension	LxWxH: 120mm x 60mm x 28mm
Port connectors	N-Female to N-Male
Notes	Material shall be RoHS 6/6

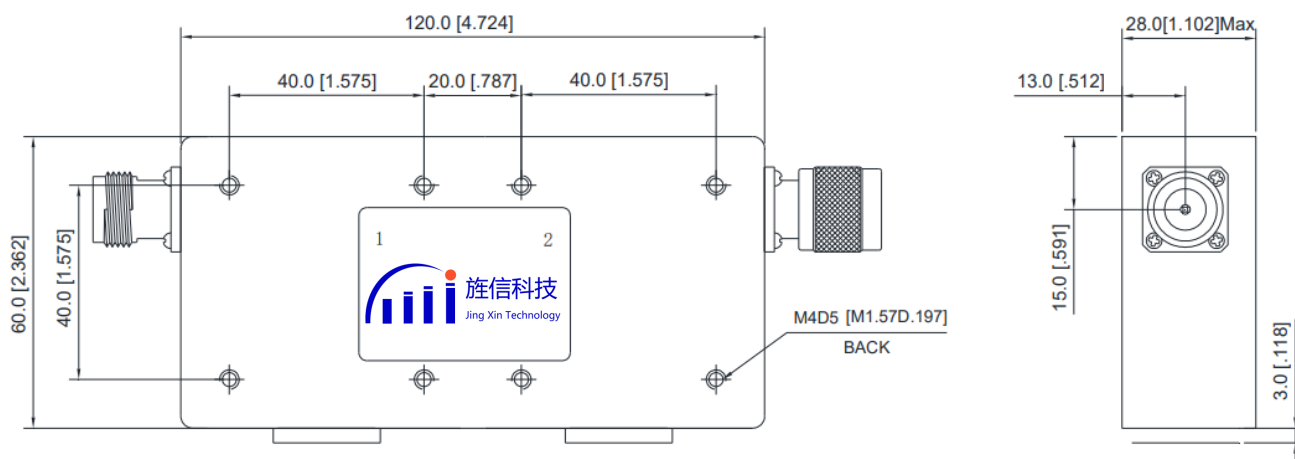


Figure 1 JX-CI-157M159M-120NF front panel layout

## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications

Item	Parameter	Specification
1	Frequency range	157-159MHz
2	VSWR	$\leq 1.2$
3	Max insertion loss	$\leq 0.8\text{dB}$
4	Isolation	$\geq 60\text{dB}$
5	Forward Power	100W
6	Reverse Power	50W
7	Temperature range	$-30^{\circ}\text{C}$ to $+70^{\circ}\text{C}$

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