

# Technical proposal for JX-CI-14.3G14.8G-25PIN Isolator

◆ High Performance

◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2024/1/15	Zhou	Created	/

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## 1. Mechanical layout

Table 1 Mechanical specifications

Dimension	L x W x H: 9.0mm x 14.0mm x 5.1mm
Connector Type	Stripline: L x W x T: 2mm x 0.8mm x 0.2mm
Notes	Material shall be RoHS 6/6

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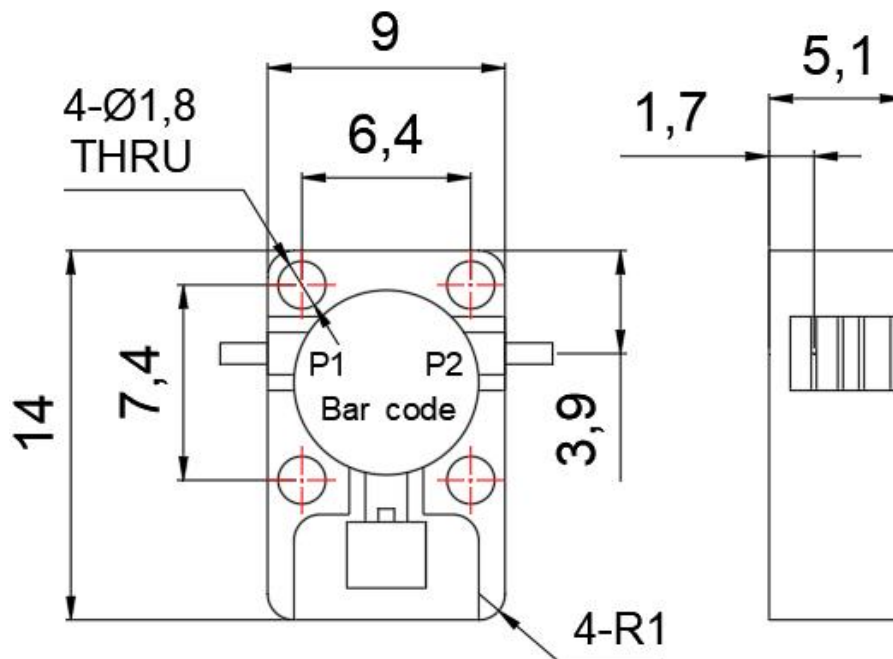


Figure 1 JX-CI-14.3G14.8G-25PIN front panel layout

## 2. Electrical analysis

### 2.1 Electrical specification

Table 2 Electrical specifications

Item	Parameter	Specifications
1	Frequency Range	14.3-14.8GHz
2	Insertion Loss	P1→P2: 0.4dB Max@+25°C P1→P2: 0.5dB Max@-40°C+125°C
3	Isolation	P2→P1: 25dB Min@+25°C P2→P1: 18dB Min@-40°C+125°C
4	VSWR	1.25Max@+25°C 1.3Max-40°C+125°C
5	Power/Peak Power	2W CW/10W
6	Direction	clockwise
7	Temperature	-40 °C to +125 °C

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