

**FWI-90000-140000-R5**

F-band, 90~140GHz, 0.5W

**Features:**

- \* Broadband
- \* High Isolation
- \* Low Insertion Loss

**Applications:**

- \* Wireless
- \* Radar
- \* Laboratory Test

**Electrical**

Frequency:	90~140GHz
Insertion Loss:	2dB typ.
Isolation:	16dB min.
VSWR:	1.5 typ.
Power:	0.5W CW max.

**Absolute Maximum Ratings\*<sup>1</sup>**

RF Input Power: +27dBm

[1] Permanent damage may occur if any of these limits are exceeded.

**Mechanical\*<sup>2</sup>**

Interface* <sup>3</sup> :	WR-8 (BJ1200)
Flange:	UG-387/UM anti-cocking
Material:	Copper
Finish:	Gold-plating
Weight:	65g

[2] The isolator is magnetic sensitive device, keep it 2inch away from the strong magnetic fields.

[3] The input and output waveguides have some slanted direction, but it doesn't effect the performance, and it can be connected to the standard waveguide directly.

**Environmental**

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+105°C

**Outline Drawings**

To be done

Unit: mm [inch]

Tolerance: ±0.3mm [±0.012in]

**How To Order****FWI-90000-140000-R5**

Customization is available upon request.