



FSP-RJ-KuBand

Single Channel Wave Guide Rotary

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Typical Applications

The FSP-RJ-KuBand is ideal for:

- Military Radar
- Surveillance Radar
- Airborne Radar
- Jammer System

Features

Frequency Range: 13.7 to 14.5 GHz

VSWR: 1.2

Average Power: 750 W

Insertion Loss: 0.25 dB



General Description

A vital part of a radar antenna system is the rotary joint, linking together the stationary part with the rotating part of the radar. The rotary joint must be capable of transmitting high microwave power with a minimum of losses while it is rotating, often at a high speed and in severe environments. Whatever the application is, Fidar System Pooyan may have the rotary joint you need.

Our product range today, covers Single Joints, Waveguide with high power capacity, and Coaxial, from DC up to 18 GHz, Capacitive and Contacting.

Specifications

Parameter	Value	Parameter	Value
Interface Type	UBR 120	Interface Type	L Type
Frequency Range	13.75-14.5 GHz	Life Time ,min	20 million resolutions
VSWR ,max	1.20	Insertion Loss ,max	0.25 dB
VSWR WOW	0.05	Insertion Loss , WOW	0.05 dB
Peak Power ,max	3000 W	Average Power ,max	750 W
Rotating Speed	60 rpm	Body Material	Aluminum
Starting Torque	50 Ncm	Continuous Rotational Torque	50 Ncm
Axial load on interface, max	20 N	Radial load on interface ,max	20 N
Body Surface Finish	Chromate	Marking	Adhesive Label
Weight	240g	IP protection level	IP 40
Temperature (Ambient Range)	-30 to +60°C (Operation) -40 to + 70°C(Storage)	Humidity (non-condensing) ,max	85 % (Operation) 95% (Storage)

For price, delivery, and to place orders, please contact **Fidar System Pooyan** Corporation:

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Outline Drawing:

NOTES:

1. ALL DIMENSIONS ARE IN MM

