

## FWRJ1-14500-46-I-A

Channel 1, 10.75~14.5GHz, 46mm, I-type

### Features:

- \* Low VSWR
- \* Low VSWR Flatness
- \* Low Insertion Loss Flatness

### Applications:

- \* High Speed Digital Signal Transmission
- \* Analog Signal Transmission

### Electrical

|                          |                                                        |
|--------------------------|--------------------------------------------------------|
| Frequency:               | 10.75~14.5GHz                                          |
| VSWR:                    | 1.3 max. @10.75~12.25GHz<br>1.2 max. @12.25~14.5GHz    |
| VSWR Flatness:           | 0.1 max.                                               |
| Insertion Loss:          | 0.2dB max.                                             |
| Insertion Loss Flatness: | 0.05dB max.                                            |
| Peak Power*1:            | 1400W max. (RF1)<br>500W max. (RF2)<br>200W max. (RF3) |
| Average Power*1:         | 800W max. (RF1)<br>300W max. (RF2)<br>200W max. (RF3)  |

[1] (RF1) Condition: Sea level.

(RF2) Condition: Maximum operating altitude without pressurization is 12,000 meters.

(RF3) Condition: The operational limit altitude without pressurization is 16,800 meters.

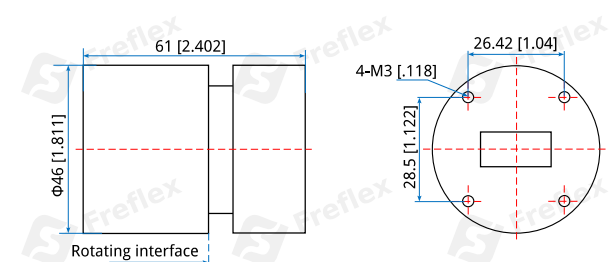
### Mechanical

|                  |                 |
|------------------|-----------------|
| Interface:       | WR-75 (BJ120)   |
| Flange:          | FBP120          |
| Rotating Speed:  | 200RPM max.     |
| Operation Life:  | 50M cycles min. |
| Starting Torque: | 0.3N.m max.     |
| Rotating Torque: | 0.3N.m max.     |
| Material:        | Aluminum alloy  |
| IP Grade:        | IP41            |
| Style:           | I-type          |

### Environmental

|                            |           |
|----------------------------|-----------|
| Operating Temperature:     | -55~+71°C |
| Non-operating Temperature: | -55~+85°C |
| Humidity:                  | 95% max.  |

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### How To Order

**FWRJ1-14500-46-I-A**

Customization is available upon request.