Fairview Microwave

an INFINIT[©] brand

WR-90 Waveguide Rotary Joint, UG Cover/UG Grooved Flanges, Inline Style in Aluminum

Description

Waveguide rotary joints are used to connect waveguide components which need to rotate or change orientation during operation within a waveguide system. Designed to perform in harsh operating environment, FMW90RJ002 from Fairview is a WR-90 waveguide rotary joint that operates in the frequency range of 9.2 GHz to 9.5 GHz. This WR-90 waveguide rotary joint has a Max VSWR of 1.2:1. This waveguide rotary joint is made of painted aluminum and incorporates UG Cover/UG Grooved flange interface with maximum rotary speed of 30 RPM and minimum life time of 500 x 10⁴ Revolutions. Waveguide rotary joints are part of Fairview's comprehensive waveguide product offerings which are available in stock and ready for same-day shipment.

Electrical Specifications

Description	Min	Тур	Мах	Units
Frequency Range	9.2		9.5	GHz
VSWR			1.2:1	
VSWR 1, Rotational Varia	ance		0.05	
Insertion Loss			0.3	dB
Input Power (CW)			300	Watts
Peak Power			3	kWatts
Insertion Loss Rotational	Variance		0.05	dB
Phase Rotational Varianc	e		2	Degrees

Mechanical Specifications

Temperature

Operating Temperature Storage Temperature Humidity

Interface

Waveguide Size Flange Type 1 Flange Type 2 Body Material and Plating Rotating Speed Lifetime Starting Torque Torque During Rotation IP Protection Level -40 to 70 °C -55 to 85 °C 85% (Max)

WR-90 UG Cover UG Grooved Aluminum, Paint 30 RPM 500 x 10⁴ Revolutions 1.77 in-lbs [0.2 Nm] 0.88 in-lbs [0.1 Nm] IP54



Features:

- WR-90 Waveguide
- Operating Frequency Range from 9.2 GHz to 9.5 GHz
- UG Cover/UG Grooved Flanges
- Inline Style Configuration
- 1.2:1 Max VSWR
- 300 Watts (CW) Max
 Power Handling
- Insertion loss(Max): 0.3 dB
- Rotating Speed (Max): 30 RPM
- Lifetime (Min): 500 x
 10^4 Revolutions

Applications:

- Radar Systems
- Military and Space
- Wireless Radio Systems
- Communication Systems
- R&D Labs
- Maritime Waveguide Systems

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FMW90RJ0002 DATA SHEET





Compliance Certifications (see product page for current document)

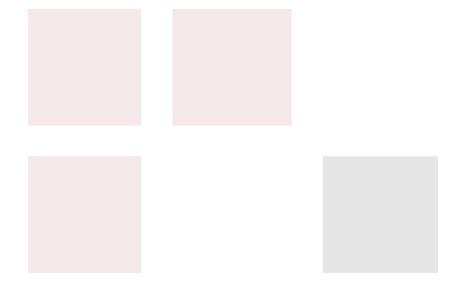
Plotted and Other Data

WR-90 Waveguide Rotary Joint, UG Cover/UG Grooved Flanges, Inline Style in Aluminum from Fairview Microwave is instock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-90 Waveguide Rotary Joint, UG Cover/UG Grooved Flanges, Inline Style in Aluminum FMW90RJ0002

URL: https://www.fairviewmicrowave.com/undefined-url-for-pn-fmw90rj0002-fmw90rj0002-p.aspx

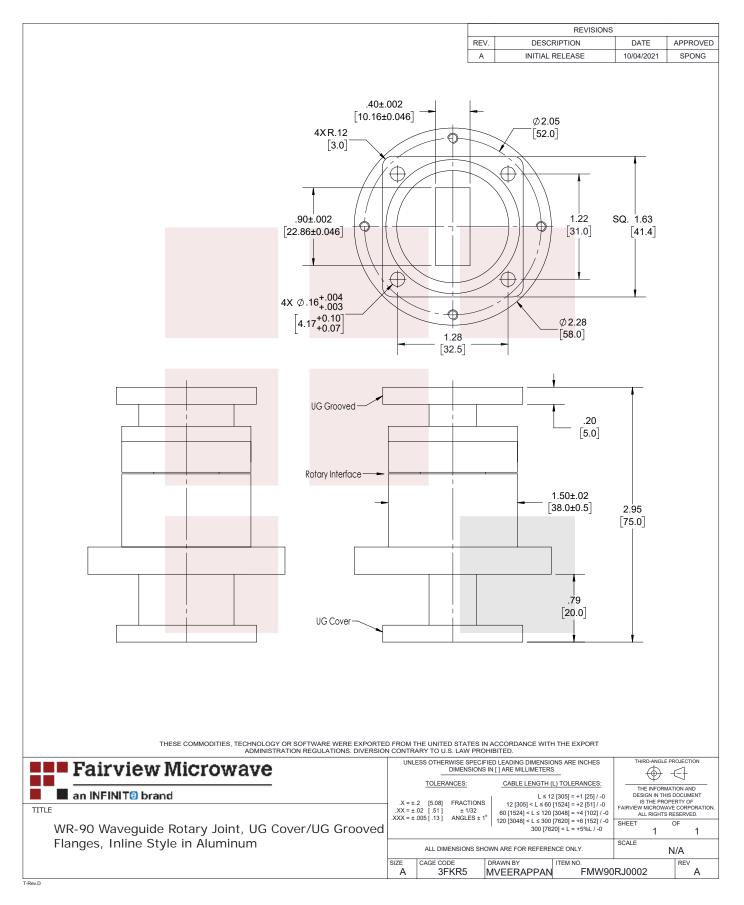
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