

Product datasheet

X-Band Hollow Shaft Rotary Joint

Product code: RFT-RJ-9095-HS
Version: 02.2008

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Application: High Power X-Band Marine Radar and Airport Ground Movement Radar

- Hollow shaft design allows stacking of independent channels (Multi-Antenna, FMCW radar)
 (Gives very high isolation between channels in a stacked configuration)
- High Power Handling
- Very low amplitude and phase wow
- Low VSWR across the band 9.0 to 9.5 GHz
- Compact design
- Sealed unit



Technical specification

Electrical

Frequency Band:	9000 -9500 MHz
VSWR:	1.3 : 1.0 Max.
Insertion Loss:	< 0.3 dB
Phase Wow:	< 3°
Power Handling:	200 W CW

RF Interface

Waveguide Flange:	UBR100
Waveguide Size:	WR90 / WG16

Mechanical

Size (W x H x D):	150 mm x 90mm x 150 mm
Weight::	2.0 Kg
Operating Temperature:	-40° C to +70° C

Materials

Material:	Aluminium (Allochrom)
Paint Finish	White



Prices and specifications are subject to change without notice.

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