

ROTARY JOINT SPECIFICATIONS

ELECTRICAL

	CH 1	CH 2	CH 2	CH 2
Frequency (GHz)	DC - 8.4	29.0 - 29.5	29.5 - 30.0	30.0-31.0
VSWR (Max)	1.5:1	2.0:1	1.7:1	1.4:1
Insertion Loss	0.75 dB max	1.0 dB	0.85 dB	0.7 dB
Peak Power Max (W)	25	50	50	50

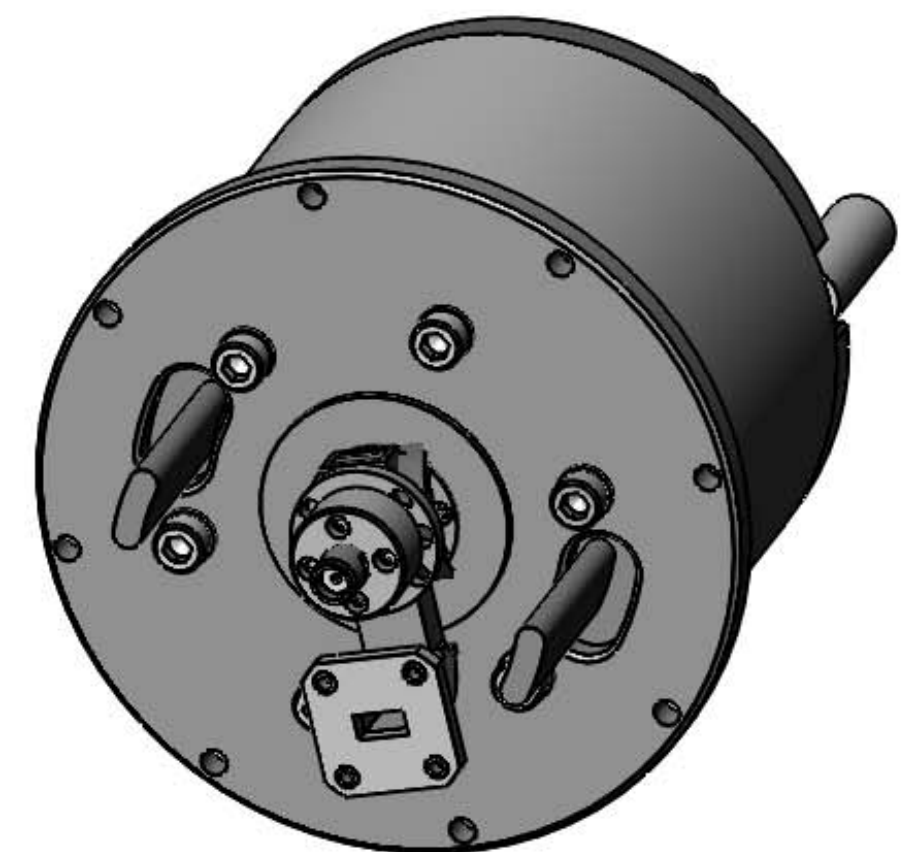
ENVIRONMENTAL

Altitude	15,000 ft max
Operating Temp.	-40°C to +71°C
Storage Temp.	-57°C to +95°C
Weight	1 lbs max (w/o Slip Ring)
Humidity	100% Condensing
Pressure	None
Seals	Weatherized
Torque	≤ 150 in-oz (0.77 ft-lb)
Rotation	Bi-directional
Speed	60 rpm
Material	Aluminum
Finish	Chromate per MIL-C-5541, CL 3

Label	PART NO.	PART NAME
	DRAWING NO.	SERIAL NO.
	MFR. CODE	MFR. NAME

SLIP RING SPECIFICATIONS

- 1) Number of circuits: 35 rings, signal to 2 amps.
- 2) Voltage: capable of withstanding 300V, 60 HZ for 30 seconds.
- 3) Insulation Resistance: 500 Megohms min. @ 500 VDC.
- 4) Dynamic Resistance: 5 milliohms @ 2 rpm with a current flow of 50 ma.
- 5) Circuit Resistance: 50 milliohms max. excluding leads lengths.
- 6) Speed: up to 500 rpm max. intermittent.
- 7) Life: 10 million revolutions.



THIRD ANGLE PROJECTION

DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED. SURF FINISH 63 TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
±1/64	2 PLACES ±.03	±1/2°
	3 PLACES ±.010	

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

TITLE: **DUAL CHAN RJ WITH SLIP RING**

SIZE: **C** CAGE CODE: **01882** DRAWING NUMBER: **CAT 22125-0**

SCALE: **1:1** WEIGHT (EST.): SHEET **1 OF 1**