

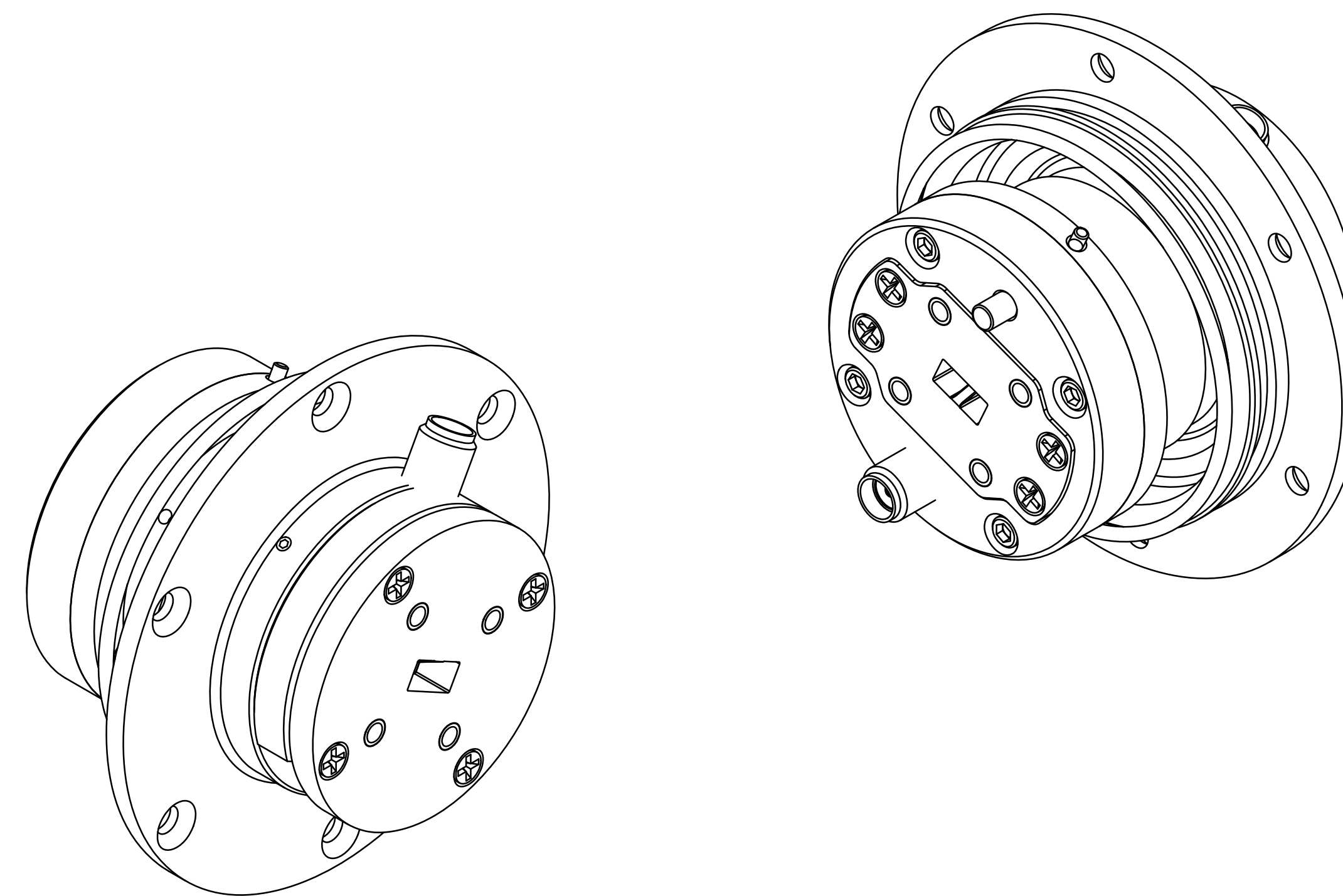
## DESIGN SPECIFICATIONS

### ELECTRICAL

	CH 1 TX	CH 2 RX
FREQUENCY:	28.5-30.5 GHz	900 Hz - 2.5 GHz
VSWR (MAX):	1.5:1	1.8:1
INSERTION LOSS (dB, MAX):	0.4	0.4
INSERTION LOSS WOW (dB, MAX):	0.1	0.2
AVERAGE POWER (MAX):	50 W	1 W
ISOLATION (dB, MIN):	←----- -60 -----→	

### MECHANICAL & ENVIRONMENTAL

ROTATIONAL SPEED:	25 RPM MAX
TEMPERATURE, OPERATING:	-40 °C TO +85 °C
TEMPERATURE, NON-OPERATING:	-55 °C TO +85 °C
TORQUE:	30 IN-OZ MAX
WEIGHT:	0.5 LBS ESTIMATE
MATERIAL:	PRIMARILY ALUMINUM ALLOY
FINISH:	CHEMICAL CONVERSION COAT PER MIL-DTL-5541, CLASS 3, TYPE II ROHS COMPLIANT
MARKING:	DIAMOND STANDARD LABEL, TO INCLUDE AS A MINIMUM DIAMOND PART NO. AND SER. NO.



THIRD ANGLE PROJECTION		DIAMOND ANTENNA & MICROWAVE CORP LITTLETON, MA 01460	
DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX. UNLESS OTHERWISE SPECIFIED. SURF FINISH 63 TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 1/16 3 PLACES 1.010 1/16		TITLE: DUAL CH RF ROTARY JOINT	
SIZE:	D	CAGE CODE:	01882
SCALE:	2:1	DRAWING NUMBER:	CAT 24-22124-0
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M		WEIGHT (EST.):	SHEET 1 OF 1