



SPECIFICATIONS

	CH 1	CH 2
FREQUENCY(GHz)	43.5 - 45.5	20.2 - 21.2
VSWR (Max)	1.40:1	1.50:1
VSWR WOW/360° (Max)	0.10	0.10
Insertion Loss (dB Max)	0.75	1.00
Insertion Loss WOW (dB Max)	0.20	0.20
Phase WOW (deg)	4.0	2.0
Peak Power Max (W)	250	1
Average Power (W)	230	1
Channel isolation (Min)	----- 60 dB -----	

Weight	2.0 lbs Max
Pressure	5 psig Max
Leakage	≤ 10 cc per min @ 10 rpm (-54°C to 85°C)
Air Flow Rate	100 cc/min @ 0.5 psig w/5 cc/min max leak rate
Friction Torque	≤ 150 in-oz (0.77 ft-lb) all cond including (-54°C)
Rotation	Bi-directional
Peak Acceleration (°/sec ²)	2000
Max angular Velocity (°/sec)	500
Material	Aluminum
Finish	Chromate per MIL-C-5541, CL 3

Label	PART NO.	PART NAME
	DRAWING NO.	SERIAL NO. (STARTING WITH 0001)

	DIAMOND ANTENNA & MICROWAVE CORP <small>LITTLETON, MA 01460</small>	
	TITLE: DUAL CHANNEL ROTARY JOINT	
<small>DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED. SURF FINISH 63✓</small>	<small>SIZE:</small> D	<small>CAGE CODE:</small> 01882
<small>TOLERANCES ARE:</small> FRACTIONS DECIMALS ANGLES <small>±1/64 ±.005 ±1/2</small>	<small>DRAWING NUMBER:</small> CAT 22116-0	<small>SCALE:</small> 2:1
<small>INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M</small>	<small>WEIGHT (EST.):</small>	<small>SHEET 1 OF 2</small>