



SPECIFICATIONS

	CH 1	CH 2 & 3	CH 4, 5 & 6
FREQUENCY	5.4-5.9 GHz		30±5 MHz
VSWR (max)	1.15:1	1.35:1	1.35:1
VSWR WOW/360° (max)	0.02	.05 & .02	0.06
INSERTION LOSS (dB max)	0.1	1.6	1.3
INSERTION LOSS WOW/360°	.05 dB max		
PHASE DELAY OVER TEMP	N/A	N/A	2° max
DELAY WOW	N/A	N/A	1°/360°
	ROTATION		
POWER, PEAK	1 MW	2W	N/A
POWER, AVERAGE	1 KW	2W	N/A
CHANNEL ISOLATION	50 dB min		

PRESSURE	30 PSIG
LEAK RATE	20 cc/min
ROTATIONAL SPEED	15 RPM max
TEMPERATURE	-10°C TO 55°C
HUMIDITY	98%
TORQUE	2 FT-LBS
WEIGHT (max)	20 LBS
ENVIRONMENTAL	
PROTECTION RATING	IP64
LIFE	3,000,000 REVS MIN
MATERIAL	PRIMARILY ALUMINUM
FINISH	TBD
MARKING	3/32 HIGH BLACK CHARACTERS
LABEL	DIAMOND STANDARD, TO INCLUDE P/N & S/N
MASKING	MASK SURFACES INDICATED BY Δ

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 ±.05	±1/2°
	3 PLACES ±.010	

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

TITLE: **SIX CHANNEL ROTARY JOINT**

SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 26103-0
SCALE: 1:2	WEIGHT (EST.):	SHEET 1 OF 1