



DESIGN SPECIFICATIONS:

ROTARY JOINT CONFIGURATION	- INLINE
FREQUENCY:	- DC TO 2500 MHZ
VSWR:	- 1.10 MAX TO 800 MHZ - 1.25 MAX TO 2500 MHZ
INSERTION LOSS:	- .1 dB MAX
INSERTION LOSS WOW:	- .1 dB MAX/360 ° ROTATION
VSWR WOW:	- .02 MAX/360 ° ROTATION
POWER, PEAK:	- 1 MEGAWATT
AVERAGE:	- 10 KW AT 200 MHZ - 4.5 KW AT 1500 MHZ
WEATHERIZED:	- YES
PRESSURIZATION:	- 30 PSIG (MAX LEAK RATE 5 cu cm PER MIN.)
STARTING TORQUE:	- 96 OZ-IN
COAXIAL LINE IMPEDANCE:	- 50 ohms
ROTATIONAL SPEED:	- 250 RPM
MATERIAL:	- ALUMINUM
FINISH:	- CHROMATE CVRSN PER MIL-DTL-5541, CL 3 & PAINT TBD, MASK WHERE INDICATED (▽)
WEIGHT:	- 3-1/2 LBS

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: ROTARY JOINT		
SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 30-2050-0
SCALE: 1:1	WEIGHT (EST.):	SHEET 1 OF 1