



DESIGN SPECIFICATIONS

FREQUENCY (GHz): 1.750-1.850 & 2.025-2.120
 VSWR (max): 1.15:1
 VSWR WOW (max): 0.03
 INSERTION LOSS (max): 0.15 dB
 INSERTION LOSS WOW (max): .03 dB
 POWER: 300W CW

ROTATIONAL SPEED (max): 15 DEGREES/SECOND
 TORQUE (max): 10 ft-lbs
 LIFE (min): 5000 hrs
 WEIGHT (nom): 50 lbs
 PRESSURE: 0.3±0.2 PSIG
 LEAK RATE: 2.5 CUBIC cm PER MIN @ 0.3 PSIG
 MATERIAL: ALUMINUM 6061-T6
 FINISH: TBD

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: **"I" STYLE ROTARY JOINT**

SIZE: B	CAGE CODE: 01882	DRAWING NUMBER: CAT 17-345-0
SCALE: 1:3	WEIGHT (EST.):	SHEET 1 OF 1