

**DESIGN SPECIFICATIONS**

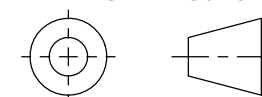
ELECTRICAL	G1 (EL)		G2 (AZ)	
	CHAN 1	CHAN 2	CHAN 1	CHAN 2
FREQUENCY GHz:	9.3 - 9.5	9.3 - 9.5	9.3 - 9.5	9.3 - 9.5
VSWR (MAX):	1.2:1	1.3:1	1.2:1	1.3:1
VSWR WOW (MAX):	0.05 dB	0.05 dB	0.05 dB	0.05 dB
INSERTION LOSS (MAX):	0.40 dB	0.50 dB	0.50 dB	0.60 dB
INSERTION LOSS WOW (MAX):	0.05 dB	0.05 dB	0.05 dB	0.05 dB
PHASE WOW (deg):	±1.0° PK to PK	±1.0° PK to PK	±1.0° PK to PK	±1.0° PK to PK
POWER, PEAK:	350 kW	150 kW	350 kW	150 kW
POWER, AVG:	500 W	250 W	500 W	250 W
ISOLATION:	<----- 60 dB ----->		<----- 60 dB ----->	

**G1 SHOWN ABOVE**

**MECHANICAL & ENVIRONMENTAL**

- ROTATIONAL SPEED: 30 RPM MAX
- PRESSURE: 30 psig - MIN REQUIRED
- LEAK RATE: 10 cc/Min. MAX
- TORQUE: 60 OZ-IN MAX
- MATERIAL: ALUMINUM
- FINISH: TBD
- MARKING: MINIMUM: DIAMOND LOGO, P/N AND SERIAL NO.

THIRD ANGLE PROJECTION



DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63 TOLERANCES ARE:  
 FRACTIONS ±1/64 DECIMALS 2 PLACES ±.03 ANGLES ±1/2°  
 3 PLACES ±.010

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

**DIAMOND ANTENNA & MICROWAVE CORP**  
 LITTLETON, MA 01460

TITLE: <b>2 CHANNEL ROTARY JOINT</b>		
SIZE: <b>B</b>	CAGE CODE: <b>01882</b>	DRAWING NUMBER: <b>CAT 16-2354-0</b>
SCALE 1:2	WEIGHT (EST.):	SHEET 1 OF 2