



-SUMMARY OF SPECIFICATIONS-

ELECTRICAL	CH. 1	CH. 2 AND 3
FREQUENCY (GHz):	8.5 - 9.6	1.0 - 1.1
VSWR (MAX.):	1.20	1.30
VSWR WOW (MAX.):	.05	.07
INSERTION LOSS (MAX.):	.20dB	.50dB
POWER, PEAK:	250KW	3KW
POWER, AVG.:	250W	30W
ISOLATION:	55 dB	55 dB

SLIP RING

CHANNEL SPECIFICATIONS: 10 CHANNELS CAPABLE OF 2 AMPS @ 115 VDC

MECHANICAL

PRESSURE: 30 PSIG [CH.1 (WAVEGUIDES) ONLY]  
 LEAK RATE (MAX.): 2 CC/MIN MAX. (GOAL)  
 TORQUE (MAX.): 15 IN.-LBS. MAX.  
 ROTATION RATE: ~15 RPM  
 ENVIRONMENTAL: WEATHERIZED  
 MATERIAL: ALUMINUM ALLOY  
 FINISH: TBD  
 DO NOT PAINT SURFACES MARKED:  $\Delta$

MARKING: PER MIL-STD-130

THIRD ANGLE PROJECTION

DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63 TOLERANCES ARE:  
 FRACTIONS 2 PLACES ±.05  
 DECIMALS 3 PLACES ±.010  
 ANGLES 2 PLACES ±1/2  
 INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

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

TITLE: **ROTARY JOINT - 3 CHANNEL XL BAND (WR112)**

SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 2356-0
SCALE: 1:2	WEIGHT (EST.):	SHEET 1 OF 1