



SPECIFICATIONS

UNIT:	CH #1 (W/G)	CH #2 (W/G)	CH #3 (COAX)
FREQUENCY (GHz):	8.6-9.9	8.6-9.9	8.6-9.9
VSWR (max):	1.20:1	1.30:1	1.50:1
INS. LOSS (dB max):	.20	.35	1.0
WOW (Loss)/360° (dB):	.05	.05	.05
VSWR (Rot/360°):	.05	.05	.05
POWER (peak):	300 kW	3kW	100W
POWER (avg):	500W	5W	5W
ISOLATION (dB):	60		
PRESSURE (psig):	20	20	
LEAK RATE (cc/min, max):	10	10	
ROTATIONAL SPEED (RPM):	30		
TORQUE (oz-in, max):	60		
TRANSMISSION LINE:	WR-90	WR-90	50 OHM
CONNECTOR:	UG135/U & UG136B/U		SMA/F
MATERIAL:	ALUMINUM		

FINISH: TBD
SURFACES INDICATED BY ▽ TO BE FREE OF PAINT

MARKING: MARK "SUM" AND "DIFFERENCE" IN AREAS INDICATED USING TYPED GREY LABELS
 LABEL IN AREA INDICATED TO INCLUDE AS A 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 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:
3 CHANNEL ROTARY JOINT

SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 2354-0
SCALE 1:1	WEIGHT (EST.):	SHEET 1 OF 1