



**SPECIFICATIONS**

UNIT:	CH #1	CH #2
FREQUENCY (GHz):	9.2-9.7	9.2-9.7
VSWR (max):	1.30:1	1.40:1
INS. LOSS (dB max):	.25	.50
WOW (Loss)/360°(dB):	.05	.05
VSWR (Rot/360°):	.05	.05
PHASE WOW:	+/-1° (MAX)	
*POWER (peak):	300 kW	100kW
POWER (avg):	500W	250W
ISOLATION (dB):	60	
PRESSURE (psig):	20	20
LEAK RATE (cc/min, max):	10	10
ROTATIONAL SPEED (RPM):	30	
TORQUE (oz-in, max):	60	
MATERIAL:	ALUMINUM	

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

MARKING: DIAMOND LOGO, P/N AND SERIAL NO.

\* REQUIRES 15 PSIG MIN.

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 ±1/2

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

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

TITLE: **2 CHANNEL ROTARY JOINT**

SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 15-2354-0
SCALE: 1:1	WEIGHT (EST.):	SHEET 1 OF 1