



**SPECIFICATIONS**

	CHANNEL 1	CHANNEL 2	CHANNEL 3
<b>ELECTRICAL</b>			
FREQUENCY [GHz]:	1.01-1.1	1.01-1.1	1.01-1.1
VSWR, max:	1.20:1	1.20:1	1.20:1
VSWR WOW:	0.05	0.05	0.05
INS LOSS (dB, max):	0.35	0.35	0.35
PEAK POWER [kW]:	15	15	15
AVERAGE POWER [W]:	300	300	300
PHASE WOW, max @ 1090 MHz:	1°	1°	1°
PHASE TRACKING [degrees]:	N/A	+/-2 between channels #2 & 3	
CHANNEL ISOLATION [dB], min:		70	

**MECHANICAL**

STARTING TORQUE, MAX : [2.72 N-m] 2 ft-lbs  
 ROTATION SPEED [RPM]: 6  
 WEIGHT: [3.4kg] 7.5lbs

**ENVIRONMENTAL**

OPERATING TEMP [C]: -40 TO 55  
 STORAGE TEMP [C]: -40 TO 71  
 HUMIDITY [Rh]: 100%

CONNECTORS: TYPE N FEMALE  
 MATERIAL: ALUMINUM  
 FINISH: TBD

PAINT: TBD  
 MARKING:

NOTE:

- FULLY MODE S COMPLIANT
- TESTED @ 5,000 W PEAK, 32 MICRO SECOND PULSE WIDTH
- (EQUIVALENT TO 15 KW @ 1 MICRO SECOND PULSE WIDTH)

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 COAX ROTARY JOINT**

SIZE: C CAGE CODE: 01882 DRAWING NUMBER: CAT 26-2355-0

SCALE 1:1 WEIGHT (EST.): SHEET 1 OF 1