



SPECIFICATIONS

	CHANNEL 1	CHANNEL 2	CHANNEL 3
ELECTRICAL			
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
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SCALE: 1:1	WEIGHT (EST.):	SHEET 1 OF 1
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