

SPECIFICATIONS

ELECTRICAL

| | CHANNEL 1 | CHANNEL 2 | CHANNEL 3 |
|--------------------------------------|---|-----------|-----------|
| 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 [degrees], max @ 1090 MHz: | 1 | 1 | 1 |
| PHASE MATCHING [degrees]: | <----- +/-2 between all channels -----> | | |
| CHANNEL ISOLATION [dB], min: | <-----70-----> | | |

MECHANICAL

| | |
|------------------------|---------------------|
| STARTING TORQUE, MAX : | [2.72 N-m] 2 ft-lbs |
| ROTATION SPEED [RPM]: | 60 |
| WEIGHT: | [3.4kg] 7.5lbs |

ENVIRONMENTAL

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

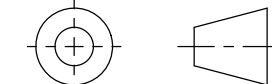
| | |
|-------------|-----------------|
| CONNECTORS: | TYPE N FEMALE |
| MATERIAL: | ALUMINUM |
| FINISH: | TBD |
| MARKING: | per MIL-STD-130 |

ROHS COMPLIANT

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 ±.03 ±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 36-2355-0

SCALE

1:1

WEIGHT (EST.):

SHEET 1 OF 1