

FREQUENCY: DC - 5500 MHz  
 VSWR: DC - 2500 MHz, 1.15:1 MAX  
 2500 - 5500 MHz, 1.50:1 MAX

INS. LOSS: DC-2500 MHz: 0.25dB MAX  
 2500-5500 MHz: 0.60dB MAX

INS. LOSS WOW: 0.1 dB MAX  
 VSWR WOW: 0.1 MAX

POWER: 2.5 kW MAX (UP TO 500 MHz)  
 1.0 kW MAX (500 - 5500 MHz)

WEATHERIZATION: YES

PRESSURIZATION: 30 psig

LEAK RATE: 5cc/min. MAX

STARTING TORQUE: 60 oz-in, NOM

COAX LINE IMPEDANCE: 50 ohms

ROTATIONAL SPEED: 100 RPM, MAX

MATERIAL: ALUMINUM

FINISH: IRIDITE & TBD PAINT

DO NOT PAINT WHERE NOTED

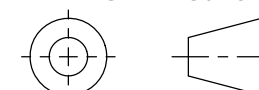
AND INDICATED BY:  $\Delta$

MARKING TO INCLUDE AS A MINIMUM: DIAMOND PART NO. & SERIAL NO.

7/8 EIA CONNECTOR  
 BOTH ENDS

$\phi$ .203 THRU  
 EQ SP

THIRD ANGLE PROJECTION



DIMENSIONS ARE IN INCHES.  
 REMOVE ALL BURRS AND  
 SHARP EDGES .005 MAX,  
 UNLESS OTHERWISE  
 SPECIFIED, SURF FINISH 63  
 TOLERANCES ARE:  
 FRACTIONS  $\pm 1/64$  DECIMALS 2 PLACES  $\pm .03$  ANGLES  $\pm 1/2^\circ$   
 3 PLACES  $\pm .010$

INTERPRET DIMENSIONS &  
 TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP  
 LITTLETON, MA 01460

TITLE:

ROTARY JOINT, 7/8 EIA COAX

SIZE:

B

CAGE CODE:

01882

DRAWING NUMBER:

CAT 38-2049-0

SCALE

1:1

WEIGHT (EST.):

SHEET 1 OF 1