

**SPECIFICATIONS**

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

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

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

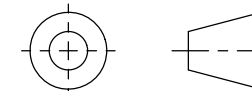
RF NOISE GENERATION: 0.15 dB  
 POWER: 2.5 kW MAX (UP TO 500 MHz)  
 1.0 kW MAX (500-5500 MHz)

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.

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>B</b>	CAGE CODE: <b>01882</b>	DRAWING NUMBER: <b>CAT 39-2049-0</b>
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SCALE: <b>1:1</b>	WEIGHT (EST.):	SHEET <b>1 OF 1</b>
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