



**DESIGN SPECIFICATIONS:**  
(CONTACTLESS DESIGN FOR SPACEFLIGHT APPLICATION)

FREQUENCY (GHz): 8.0 - 8.400  
 VSWR (max): 2.0:1  
 VSWR WOW (max): .05  
 INSERTION LOSS (max): .25 dB (.15 dB GOAL)  
 POWER, OPERATING: 10 WATTS CW  
 TEMP. - OPERATIONAL: -25 TO +65 DEGREES C  
 NON-OPERATING: -90 TO +80 DEGREES C  
 ROTATIONAL SPEED: 2 RPM max.  
 TORQUE: 4 oz.-in. max.  
 LIFE (min): 133,333 REVS  
 WEIGHT: 2 oz.

FINISH: CHROMATE CONVERSION  
 PER MIL-C-5541, CLASS 3  
 VENTING: -0.5 psi/sec max.

THIRD ANGLE PROJECTION		<b>DIAMOND ANTENNA &amp; MICROWAVE CORP</b> LITTLETON, MA 01460	
		TITLE: <b>OUTLINE, SINGLE CHANNEL COAXIAL ROTARY JOINT</b>	
		SIZE: <b>B</b>	CAGE CODE: <b>01882</b>
DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63 TOLERANCES ARE: FRACTIONS ±1/64 DECIMALS 2 PLACES ±.03 ANGLES ±1/2° 3 PLACES ±.010		DRAWING NUMBER: <b>67-2124-0</b>	
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M		SCALE: <b>1.5:1</b>	WEIGHT (EST.):
		SHEET <b>1 OF 1</b>	