



**SPECIFICATIONS**

FREQUENCY (GHz): 4.9-5.25  
 INSERTION LOSS: 0.4 dB  
 VSWR: 1.2:1  
 VSWR WOW: 1.1:1  
 VSWR LOAD: 2.5:1  
 POWER-PEAK: 800 KW (@ 24 psia min, dry air)  
 POWER-AVG: 800 W

**MECHANICAL/ENVIRONMENTAL**

PRESSURE RATING: 30 PSIG max  
 LEAKAGE RATE: 20 cc/Min  
 STARTING TORQUE: 2 Ft-lbs  
 ROTATIONAL RATE: 7.5 RPM (45°/SEC)  
 TEMP OPERATIONAL: -30°C TO +65°C  
 TEMP NON-OPERATIONAL: -40°C TO +65°C  
 MATERIAL: ALUMINUM  
 WEIGHT: 45 lbs max  
 FINISH: TBD  
 MARKING: Per MIL-STD-130 to include as a minimum:  
 Manufacturer's cage code & part no.  
 Unit 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 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: **WR187 U-STYLE ROTARY JOINT**

SIZE: <b>C</b>	CAGE CODE: <b>01882</b>	DRAWING NUMBER: <b>CAT 10-547-0</b>
SCALE: <b>1:1</b>	WEIGHT (EST.):	SHEET <b>1 OF 1</b>