



SPECIFICATIONS

ELECTRICAL:

FREQUENCY: 7.9-8.4 GHz
 VSWR: 1.20:1 max
 VSWR WOW: .03 max
 INS LOSS: 0.15 dB max
 PEAK POWER: 0.25 MW AT 15 PSIG (min) DRY AIR OR NITROGEN
 AVERAGE POWER: 1.2 KW
 RF LEAKAGE: -85 dB max (TO BE VERIFIED @ 7.25, 7.5, 7.75 GHz)
 SEE RF LEAKAGE TEST

MECHANICAL:

PRESSURE: +15 PSIG DRY AIR OR NITROGEN
 LEAK RATE: 25 CC/MIN AT .2 MPA max
 MATERIAL: ALUMINUM
 FINISH: TBD
 (SURFACES INDICATED BY ▽ TO BE FREE OF PAINT)
 WEIGHT: 0.7 KG max (1.54 LBS)
 STARTING TORQUE: .29Nm max (2.48 in-lbs @ 25 DEG. C)
 TEMPERATURE: -32° C TO +85° C
 ROTATIONAL SPEED: 300 RPM max
 DESIGN LIFE: 50 MILLION REVOLUTIONS
 MARKING: TO INCLUDE AS A MIN, DIAMOND P/N & SERIAL #

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: **CPR-112 SIN CHAN ROTARY JOINT, L STYLE**

SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 43-746-0
SCALE: 1:1	WEIGHT (EST.):	SHEET 1 OF 1