SPECIFICATIONS

ELECTRICAL:

FREQUENCY: 7.9-8.4 GHz
VSVERS: 1.20:1 max
VSWR VSWR: .03 max
INS: 0.15 dB max
PEAK POWER: 0.25 MW AT 15 PSIG (min) DRY AIR OR NITROGEN
AVERAGE POWER: 1.2 kW
RF LEAKAGE: -65 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 CFM 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: 20 in-lbs max (2.48 in-lbs @ 25 DEG. C)
TEMPERATURE: -32º C TO +85º C
ROTATIONAL SPEED: 300 RPM max
DESIGN LIFE: 50 MILLION REVOLUTIONS
MARKING: TO INCLUDE AS A MIN. DIAMOND P/N & SERIAL #

DIMENSIONS ARE IN INCHES.

REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63

TOLERANCES ARE:

FRACTIONS 1/64          2 PLACES
       .03
DECIMALS .010
ANGLES 3 PLACES

CONTACT FLANGE (GROOVED)
2X CPR-112

MARKING

EQUIPMENT

2X CPR-112 SIN CHAN ROTARY JOINT, L

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA  01460

DIAMOND ANTENNA & MICROWAVE CORP
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