**RF ROTARY COUPLER**

**THIRD ANGLE PROJECTION**

**SPECIFICATIONS**

- Frequency: 7.985 - 8.385 GHz
- VSWR: 1.7:1 MAX
- VSWR WOW: 0.1 MAX
- Insertion Loss: 0.25 dB MAX
- Insertion Loss WOW: 0.05 dB MAX
- Loss Flatness: 0.415 dB IAW CUSTOMER SPECIFICATION
- Loss Ripple: 0.40 dB IAW CUSTOMER SPECIFICATION
- Phase Ripple: 5° IAW CUSTOMER SPECIFICATION
- Transmitted Power: 5 WATTS
- Excursion Angle: ±360°

**COUPLER RADIAL/AXIAL MISALIGNMENT:** ±.007 / ±.002

**NON-OPERATIONAL TEMPERATURE RANGE:** -52°C TO +83°C

**OPERATIONAL TEMPERATURE RANGE:** +15°C TO +60°C

**WEIGHT (MAX):** 20 LBS (.34 LBS WITH KEEPER & HARDWARE)

**MATERIAL, UNIT:** PRIMARILY ALUMINUM WITH CLEAR ANODIZE FINISH

**MATERIAL, KEEPER:** STAINLESS STEEL WITH PASSIVATE FINISH

**MASKING:** NO FINISH ON SURFACES INDICATED BY Δ

**DIMENSIONS ABE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES. 0.05 MAX, UNLESS OTHERWISE SPECIFIED. SPECIFIED SURF. FINISH 63. INTERPRET DIMENSIONS & TOLERANCES AS PER AMERICAN NATIONAL STANDARDS INSTITUTE Y14.5M.**

**INSTALL PROTECTIVE CAPS TO ROTOR & KEEPER, EQUALLY SPACED LOCATED AS SHOWN ON BC.**

**SPECIFICATIONS**

- Frequency: 7.985 - 8.385 GHz
- Coupler Radial/Axial Misalignment: ±.007 / ±.002
- Non-Operational Temperature Range: -52°C TO +83°C
- Operational Temperature Range: +15°C TO +60°C
- Weight (Max): 20 LBS (.34 LBS With Keeper & Hardware)
- Material, Unit: Primarily Aluminum With Clear Anodize Finish
- Material, Keeper: Stainless Steal With Passivates Finish
- Masking: No Finish On Surfaces Indicated By Δ

**Dimensions Are in Inches. Remove All Burrs And Sharp Edges. 0.05 Max, Unless Otherwise Specified. Specified Surf. Finish 63. Interpret Dimensions & Tolerances As Per American National Standards Institute Y14.5M.**