DESIGN SPECIFICATIONS

ELECTRICAL

- FREQUENCY (GHz): 5.850-6.725
- VSWR (MAX): 1.21 MAX
- VSWR WOW (MAX): .03
- INSERTION LOSS (MAX): .10 dB
- INSERTION LOSS WOW (MAX): .03 dB
- POWER AVG: 3.5 kW

MECHANICAL & ENVIRONMENTAL

- ROTATIONAL SPEED: 2.5 RPM MAX
- TEMPERATURE, OPERATING: -22°C TO +54°C
- TEMPERATURE, STORAGE: -40°C TO +71°C
- HUMIDITY (OPERATING): UP TO 100% NON-CONDENSING
- HUMIDITY, STORAGE: UP TO 100% CONDENSING
- ALTITUDE, OPERATING: UP TO 10,000 FT ABOVE MSL
- ALTITUDE, STORAGE: UP TO 40,000 FT ABOVE MSL
- SOLAR LOADING: 1200 W/M²
- SEALED: 100% WATERPROOF REGARDLESS OF POSITION
- LEAKAGE: 0.03 SCFH (24 CC/MIN) @ 1 PSIG
- PRESSURE: 1 PSIG DRY AIR
- TORQUE: 70 OZ-IN MAX
- WEIGHT: 3.3 LBS TYP., 10 LBS MAX
- MATERIAL: ALUMINUM ALLOY PRIMARILY
- FINISH: TBD
- MARKING: DIAMOND STANDARD LABEL TO INCLUDE DIAMOND PART NO. & SER. NO.

ROHS COMPLIANT

- FREQUENCY (GHz): 5.850-6.725
- VSWR (MAX): 1.21 MAX
- VSWR WOW (MAX): .03
- INSERTION LOSS (MAX): .10 dB
- INSERTION LOSS WOW (MAX): .03 dB
- POWER AVG: 3.5 kW

- TEMPERATURE, OPERATING: -32º C TO +53º C
- TEMPERATURE, STORAGE: -60º C TO +75º C
- HUMIDITY (OPERATING): UP TO 95% NON-CONDENSING
- HUMIDITY, STORAGE: UP TO 100% CONDENSING
- ALTITUDE, OPERATING: UP TO 10,000 FT ABOVE MSL
- ALTITUDE, STORAGE: UP TO 40,000 FT ABOVE MSL
- SOLAR LOADING: 1120 W/M²
- SEALED: 100% WATERPROOF REGARDLESS OF POSITION
- LEAKAGE: 0.03 SCFH (24 CC/MIN) @ 1 PSIG
- PRESSURE: 1 PSIG DRY AIR
- TORQUE: 70 OZ-IN MAX
- WEIGHT: 3.3 LBS TYP., 10 LBS MAX
- MATERIAL: ALUMINUM ALLOY PRIMARILY
- FINISH: TBD
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