3 CHAN COAX ROTARY JOINT

SPECIFICATIONS

ELECTRICAL

- FREQUENCY (GHz):
  - CHANNEL 1: 1.01-1.1
  - CHANNEL 2: 1.01-1.1
  - CHANNEL 3: 1.01-1.1
- VSWR, max:
  - CHANNEL 1: 1.25:1
  - CHANNEL 2: 1.25:1
  - CHANNEL 3: 1.25:1
- VSWR WOW:
  - CHANNEL 1: 0.05
  - CHANNEL 2: 0.05
  - CHANNEL 3: 0.08
- INS LOSS (dB):
  - CHANNEL 1: 0.50 max
  - CHANNEL 2: 0.50 max
  - CHANNEL 3: 0.50 max
- PEAK POWER (W):
  - CHANNEL 1: 10
  - CHANNEL 2: 10
  - CHANNEL 3: 10
- AVERAGE POWER (W):
  - CHANNEL 1: 150
  - CHANNEL 2: 150
  - CHANNEL 3: 300
- PHASE TRACKING (degrees):
  - ALL CHAN: 2
- DIFFERENTIAL LOSS BETWEEN ALL CHAN:
  - 2dB
- CHANNEL ISOLATION (dB), min:
  - ALL CHAN: 60

MECHANICAL

- STARTING TORQUE, MAX: 5.42 N-m (4 ft-lbs)
- ROTATION SPEED (RPM):
  - CHANNEL 1: TYP, 60 MAX (INTERMITTENT)
- WEIGHT, approximate:
  - CHANNEL 1: 4.1 kg (9lbs)
- LIFE, min [REVOLUTIONS]: 100 MILLION
- ENVIRONMENTAL
  - OPERATING TEMP [°C]: -40 TO 70
  - STORAGE TEMP [°C]: -50 TO 70
  - HUMIDITY [%]: 100%
- CONNECTORS:
  - TYPE: N JACK
- MATERIAL: ALUMINUM
- FINISH: TBD
- MARKING: per MIL-STD-130