3 CHANNEL COAX ROTARY JOINT

SPECIFICATIONS

CHANNEL 1 CHANNEL 2 CHANNEL 3

ELECTRICAL

FREQUENCY (GHz): 1.01-1.1 1.01-1.1 1.01-1.1
VSWR, max: 1.20:1 1.20:1 1.20:1
VSWR WOW: 0.05 0.05 0.05
INS LOSS (dB, max): 0.35 0.35 0.35
PEAK POWER (kW): 15 15 15
AVERAGE POWER (W): 300 300 300
PHASE WOW, max @ 1090 MHz: 1° 1° 1°
PHASE TRACKING (degrees): N/A +/−2 between channels #2 & 3
CHANNEL ISOLATION (dB), min: 70

MECHANICAL

STARTING TORQUE, MAX : [2.72 N-m] 2 ft-lbs
ROTATION SPEED [RPM]: 6
WEIGHT: [3.4kg] 7.5lbs

ENVIRONMENTAL

OPERATING TEMP (C): -40 TO 95
STORAGE TEMP (C): -40 TO 71
HUMIDITY (%): 100%

CONNECTORS: TYPE N FEMALE
MATERIAL: ALUMINUM
FINISH: TBD
PAINT: TBD
MARKING: TBD

NOTE:
- FULLY MODES COMPLIANT
- TESTED @ 5,000 W PEAK, 32 MICROSECOND PULSE WIDTH
-(EQUIVALENT TO 15 KW @ 1 MICROSECOND PULSE WIDTH)

- CHANNELS 1, 2, 3
- FREQUENCY 1.01-1.1 GHz
- VSWR 1.20:1
- PEAK POWER 15 kW
- AVERAGE POWER 300 W
- PHASE WOW 1°
- STARTING TORQUE 2 ft-lbs
- WEIGHT 7.5 lbs
- CONNECTORS TYPE N FEMALE
- MATERIAL ALUMINUM
- FINISH TBD
- PAINT TBD
- MARKING TBD

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA  01460

TITLE: 3 CHANNEL COAX ROTARY JOINT
SIZE: DRAWING NUMBER:
SCALE: 1:1
WEIGHT (EST.):
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M
CAGE CODE:
CAT 26-2355-0C 01882

3 CHANNEL COAX ROTARY JOINT

3 PLACES
6X #6-32 EQL SP
6X Ø .70/.72 Ø .276/.283 EQL SP

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