

- 2.1 IMPEDANCE: 50 OHMS
- 2.2 FREQUENCY RANGE: 0-26.5 GHz
- 2.3 VSWR: 1.05+.02F(GHz) MAX AT 0-18 GHz, TYPICALLY < 1.50 AT 18-26.5 GHz
- 2.4 WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL
- 2.5 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEAL LEVEL
- 2.6 INSULATION RESISTANCE: 1000 MEGOHMS MIN
- 2.7 CONTACT RESISTANCE: CENTER CONTACT INITIAL 3.0 MILLIOHMS MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHMS MAX

OUTER CONDUCTOR - INITIAL 2.0 MILLIOHMS MAX AFTER ENVIRONMENTAL - N/A

- 2.8 CORONA LEVEL: 125 VOLTS MIN AT 70,000 FEET
- 2.9 INSERTION LOSS: N/A (DEPENDANT UPON APPLICATION)
- 2.10 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 335 VRMS MIN AT 4 AND 7 MHz

3. MECHANICAL SPECIFICATIONS:

- 3.1 ENGAGEMENT/DISENGAGEMENT TORQUE: 2 INCH POUNDS MAX
- 3.2 MATING TORQUE: 7-10 INCH POUNDS WHEN SUPPORTED WITH WRENCH
 *8 INCH-POUNDS MAX UNSUPPORTED
- 3.3 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE

4 OZ-IN MIN RADIAL TORQUE

3.4 DURABLITY: 500 CYCLES MIN

- 4. ENVIRONMENTAL SPECIFICATIONS:
 - 4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
 - 4.2 THERMAL SHOCK: MIL-STS-202, METHOD 107, CONDITION B,
 - 4.3 EXCEPT 115°C HIGH TEMP
 - 4.4 OPERATING TEMPERATURE: -65°C TO 165°C
 - 4.5 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 - 4.6 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
- 4.7 VIBERATION: MIL-STD-202, METHOD 204, CONDITION D
- 4.8 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

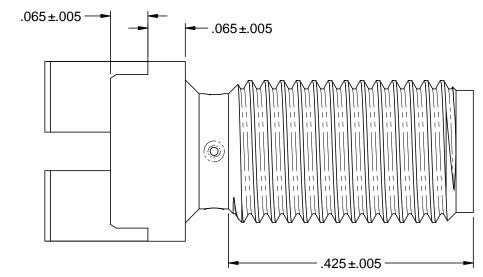


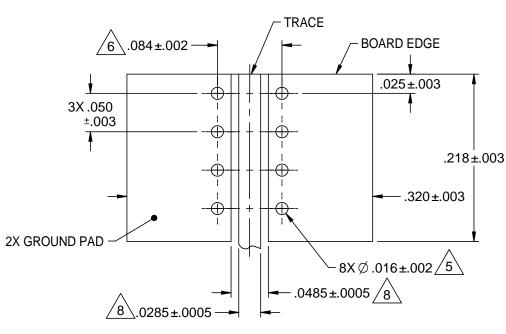
6. HOLE PATTERNS SYMMETRICAL ABOUT CENTER OF CPW TRACE.

- 7. FOR OPTIMUM CIRCUIT BOARD HIGH FREQUENCY PROFORMANCE:
 - A. MAINTAIN SOLID GROUND PLANE BELOW HIGH FREQUENCY SUBSTRATE.
 - B. CONTROL PULLBACK OF TRACE AND GROUND FROM BOARD EDGE.
 - C. CONTINUE GROUNDED COPLANAR LINE BEYOND GROUND PADS.
 - D. PLACE 16 MIL DIA GROUND VIAS ON BOTH SIDES OF COPLANAR WAVEGUIDE LINE AT 50 MIL INTERVALS ALONG ENTIRE LENGTH.
 - E. IMMERSION GOLD PLATE (ENIG) ALL CONDUCTORS PER IPC-4552.
- REFERENCE DIMENSIONS FOR 50 OHM GROUNDED CPW LINE, USING ROGERS R04003, 16 MIL HIGH FREQUENCY CIRCUIT BOARD SUBSTRATE:

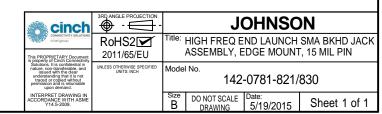
TRACE WIDTH - 28.5 MILS GROUND GAPS - 10 MILS

CONDUCTOR THICKNESS - 1.4 MIL (INCLUDES PLATING)





MOUNTING FOOTPRINT
(TOP VIEW, INCLUDING TRACE DIMENSIONS)



Mouser Electronics

Authorized Distributor

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