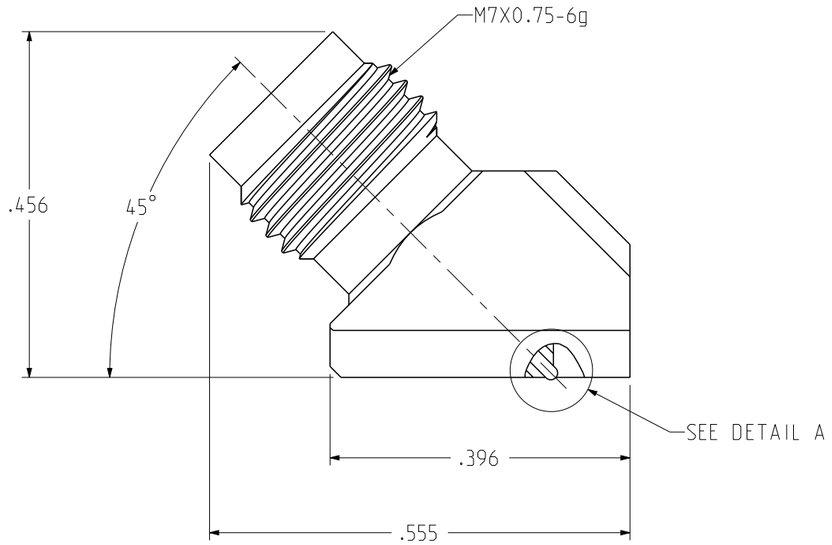
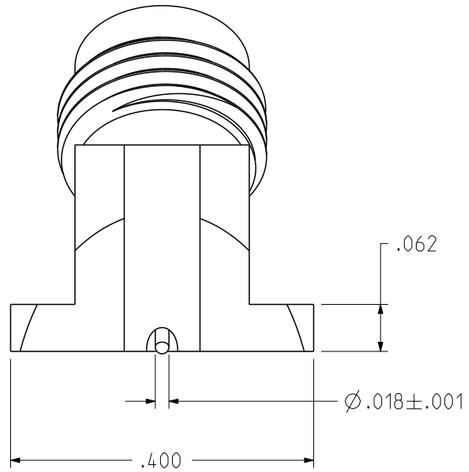
PART NUMBER
148-0701-221

REV	ECO	DATE
1	INITIAL RELEASE	09SEP2021





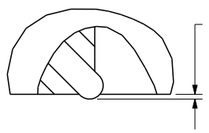
NOTES:

1. MATERIALS AND FINISH:
   1.1 BODIES: GOLD PLATED BRASS
   1.2 CONTACT: GOLD PLATED BERYLLIUM COPPER
   1.3 INSULATOR: PTFE / ULTEM 1000

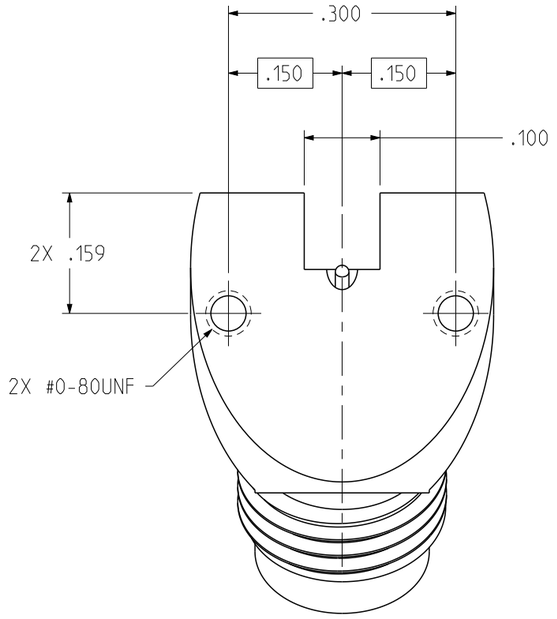
2. ELECTRICAL SPECIFICATIONS:
   2.1 IMPEDANCE: 50 OHMS
   2.2 FREQUENCY RANGE: DC-67 GHz
   2.3 VSWR: DEPENDENT ON APPLICATION
   2.4 WORKING VOLTAGE: 150 VRMS MAX AT SEA LEVEL
   2.5 DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
   2.6 INSULATION RESISTANCE: 5000 MEGOHM MIN
   2.7 CONTACT RESISTANCE:
      2.7.1 CENTER CONTACT - INTIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
      2.7.2 OUTER CONDUCTOR - INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE

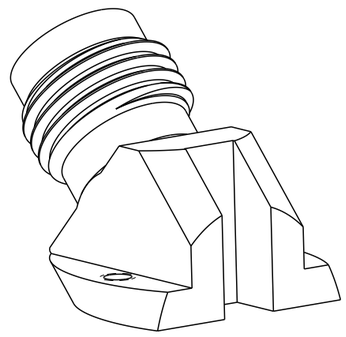
3. MECHANICAL SPECIFICATIONS:
   3.1 ENGAGEMENT/DISENGAGEMENT FORCE: 2 INCH-POUNDS MAX
   3.2 MATING TORQUE: 7 TO 10 INCH-POUNDS
   3.3 DURABILITY: 500 CYCLES MIN

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



DETAIL A
SCALE 10:1





SCALE 4:1

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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.

Model No: 148-0701-221/230		JOHNSON
RoHS ☑ (EU)/2015/863 COMPLIANT	Cage Code	Title: 1.85MM JACK, 45 DEGREE, PCB MOUNT
UNLESS OTHERWISE SPECIFIED UNITS: INCH .XX ± .01 .XXX ± .003 .XXXX ± .0010 ANGLE ± 2°	3RD ANGLE PROJECTION	Drawing No. 148-0701-221/230 REV. 1
	Drawn by: Roman Yao	
	Date: 09/09/2021	Size B DO NOT SCALE DRAWING Workmanship Std: NONE Sheet 1 OF 1

Please read our datasheet & drawing disclaimer here.