



NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL & FINISH:

1.1 BODY & INSERT

- 1.1.1 145-0701-611: GOLD PLATED STAINLESS STEEL
- 1.1.2 145-0701-612: PASSIVATED STAINLESS STEEL

1.2 SUPPORT BEAD: PPE (NORYL)

1.3 CENTER CONTACT: GOLD PLATED BERYLLIUM COPPER

2. ELECTRICAL:

- 2.1 IMPEDANCE: 50 OHMS
- 2.2 FREQUENCY RANGE: 0 - 40.0 GHz
- 2.3 VSWR: DEPENDANT UPON APPLICATION, TYPICALLY 1.22 MAX
- 2.4 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
- 2.5 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
- 2.6 INSULATION RESISTANCE: 5000 MEGOHM MIN
- 2.7 CONTACT RESISTANCE:
 - CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 8.0 MILLIOHM MAX
 - OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
- 2.8 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
- 2.9 INSERTION LOSS: DEPENDANT UPON APPLICATION, TYPICALLY $< .06\sqrt{F}$ (F IN GHz)
- 2.10 RF LEAKAGE: -90 dB MIN AT 2.5 GHz
- 2.11 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHz

3. MECHANICAL:

- 3.1 ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
- 3.2 MATING TORQUE: 7-10 INCH POUNDS
- 3.3 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
- 3.4 DURABILITY: 500 CYCLES MIN

4. ENVIRONMENTAL:

- 4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
- 4.2 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
- 4.3 OPERATING TEMPERATURE: -65°C TO 125°C
- 4.4 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
- 4.5 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
- 4.6 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
- 4.7 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

	3D ANGLE PROJECTION	JOHNSON	
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<small>INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.</small>	<small>UNLESS OTHERWISE SPECIFIED UNITS: INCH</small>	Model No. 145-0701-611/620	Date 1/22/2020
Size B	DO NOT SCALE DRAWING	Sheet 1 OF 1	