



MOUNTING FOOTPRINT (EACH PORT, TOP VIEW)

NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL & FINISH: (127-0711-321)
 - 1.1 BODY: GOLD PLATED BERYLLIUM COPPER
 - 1.2 CONTACTS: GOLD PLATED BERYLLIUM COPPER
 - 1.3 INSULATORS: PTFE (TEFLON)
 2. ELECTRICAL SPECIFICATIONS:
 - 2.1 IMPEDANCE: 50 OHMS
 - 2.2 FREQUENCY RANGE: DC - 26.5 GHz
 - 2.3 VSWR: 1.25 MAX (0-18 GHz), 1.50 MAX (18-26.5 GHz)
 - 2.4 WORKING VOLTAGE: 335 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:
 - CENTER CONTACT: INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 - OUTER CONDUCTOR: INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 - 2.8 CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
 - 2.9 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN AT 4 & 7 MHz
 3. MECHANICAL SPECIFICATIONS:
 - 3.1 INTERFACE DESIGN: 1AW MIL-STD-348, FIG. 326-2, SERIES SMP, FULL DETENT
 - 3.2 ENGAGEMENT FORCE: 15 LBS MAX PER POSITION
 - 3.3 DISENGAGEMENT FORCE: 5 LBS MIN PER POSITION
 - 3.4 CONTACT RETENTION: 1.5 LBS MIN AXIAL
 - 3.5 DURABILITY: 100 CYCLES MIN
 4. ENVIRONMENTAL:
 - 4.1 (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF DSCC DWG NO. 94007)
 - 4.2 OPERATING TEMPERATURE: -65°C TO 165°C
 - 4.3 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 165°C HIGH TEMP
 - 4.4 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
 - 4.5 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 - 4.6 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
 - 4.7 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B OMITTED
- △ REFERENCE DIMENSIONS FOR 50 OHM GROUND CPW LINE, USING ROGERS RO4003, 16 MIL HIGH FREQUENCY CIRCUIT BOARD SUBSTRATE:
- 5.1 TRACE WIDTH = 27.5 MILS
 - 5.2 GROUND GAPS = 10.5 MILS
 - 5.3 CONDUCTOR THICKNESS = 1.4 MILS (INCLUDES PLATING)
 - 5.4 MAINTAIN SOLID GROUND PLANE BELOW HF SUBSTRATE.
 - 5.5 PLACE 16 MIL DIA. GROUND VIAS ON BOTH SIDES OF COPLANAR WAVEGUIDE LINE AT 50 MIL INTERVALS ALONG ENTIRE LENGTH.
 - 5.6 IMMERSION GOLD PLATE (ENIG) ALL CONDUCTORS PER IPC-4552.
 - 5.7 ALL HOLES PLATED THRU ENTIRE CIRCUIT BOARD STACKUP.
 - 5.8 HOLE PATTERNS SYMMETRICAL ABOUT CENTER OF CPW TRACE.

6. PACKAGING:
 - 6.1 127-0711-321: 1 PER BAG

		JOHNSON
	<small>THIS PRODUCT IS COMPLIANT WITH THE ROHS DIRECTIVE AND IS FREE OF HAZARDOUS SUBSTANCES.</small>	<small>FORM ASSEMBLY, MALE, FD, RAPC SURFACE MT, SMP, 4 POSITION</small>
<small>127-0711-321</small>	<small>127-0711-321/330</small>	<small>11/16/15</small>
<small>DO NOT SCALE</small>	<small>1 OF 1</small>	

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Connectors / Coaxial Connectors](#) category:

Click to view products by [Bel Fuse](#) manufacturer:

Other Similar products are found below :

[8915-1511-000](#) [89674-0827](#) [6001-7071-019](#) [6002-7051-003](#) [6002-7551-202](#) [6059674-1](#) [619550-1](#) [630059-000](#) [M39030/3-01N](#) [6500-7071-046](#) [6769](#) [CX050L2AQ](#) [7002-1541-010](#) [7002-1542-011](#) [7004-1512-000](#) [7009-1511-004](#) [7010-1511-000](#) [7029-1511-060](#) [7101-1541-010](#) [7101-1571-002](#) [7145-1521-002](#) [7203-1571-003](#) [7209-1511-011](#) [7210-1511-015](#) [7210-1511-019](#) [73137-5015](#) [73216-2241](#) [73404-2300](#) [7405-1521-005](#) [7405-1521-802](#) [8527](#) [8547](#) [FS11V](#) [877931](#) [8808-1511-001](#) [9049-9513-000](#) [9074-9513-000](#) [9101-9573-002](#) [910A205F](#) [9130-9573-002](#) [PL11SC-026](#) [PL375-33](#) [PL40-5](#) [PL74C-221](#) [PL75MC-217](#) [PL803-7](#) [1200690078](#) [1-201144-1](#) [R107003010W](#) [R110A172100](#)