

CAB495RF: RF CABLE ASSEMBLY, SMA R/A PLUG + SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + RG178 CABLE, 6GHz

SPECIFICATIONS :

1. SMA RIGHT ANGLE PLUG, GOLD PLATED. P/N: RFCT-SMA025-M78.
2. RG178 COAXIAL CABLE, COLOR: BROWN.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: RFCT-SMA069-F78.

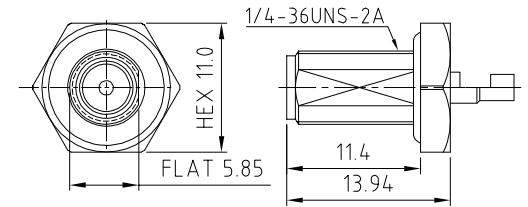
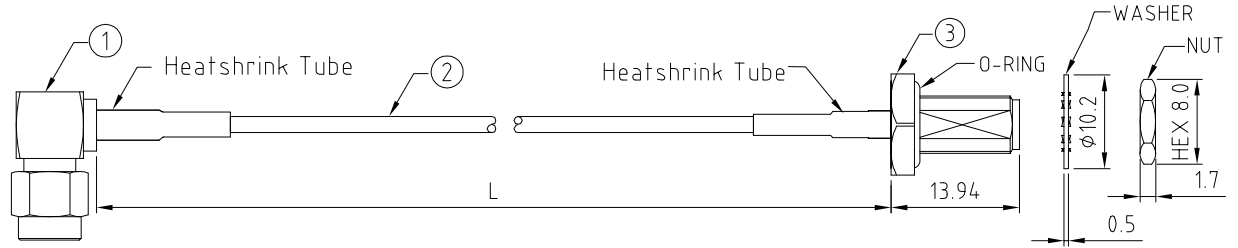
ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA069-F78) RATED TO THE FOLLOWING SPECIFICATION:
- i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
 - ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
 - iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
 - iv. IPX8 WATERPROOF FOR 12 HOURS AT 5 METERS UNDERWATER.
 - v. PRESSURE TEST - 1 BAR FOR 10 SECONDS.

NOTES:

1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GRAD CONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-6GHz.
5. OPERATING TEMPERATURE: -55°C TO +125°C.
6. IMPEDANCE: 50 OHM.

USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
 (i) HANDLE WITH CARE.
 (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
 (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.



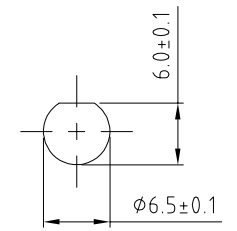
SMA JACK DETAIL DRAWING

HOW TO ORDER
 CAB495RF - X X X X - X X - X - 1

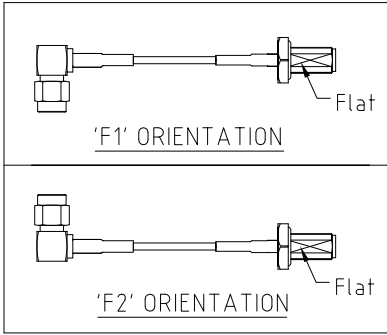
"L" LENGTH IN MM:
 eg: 100MM = 0100
 (MIN. 0050-MAX.2000
 STANDARD = 0100, 0150, 0200)
 Tolerance: <50mm: ±2mm.
 51-200mm: ±5mm.
 201-500mm: ±7mm.
 >501mm: ±10mm.

WASHER AND NUT OPTIONS:
 BLANK = SEPARATELY PACKED (STANDARD)
 A = ALL ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:
 BLANK = DOES NOT HAVE A FIXED ORIENTATION
 F1 = SMA PLUG CONNECTION DOWN (L=50-200MM)
 F2 = SMA PLUG CONNECTION UP (L=50-200MM)
 (SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



RECOMMENDED SMA MOUNTING HOLE



REV. DATE & DRN
 1.0 29/12/21 - NYW RELEASE
 1.1 25/01/22 - NYW
 1.1 AHEAD TYPE

Scale: NTS	THIRD ANGLE	Unstated .X .XX .XXX ANGLES	Tolerances: N/A N/A N/A N/A
Drawn: NYW			
App'd: XXX	Title: CABLE ASSEMBLY		
Date: 25 JAN. '22	Revision: 1.1	Unit: mm	



IP67/68 Rated Cables

www.gradconn.com

© THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT

Drawing Number: CAB495RF
Sheet 1 of 1
Drawing © E and O E