

SPECIFICATIONS :

1. I-PEX MHF PLUG, P/N: 20278-112R-18.
2. RG178 CABLE, COLOR: BROWN.
3. ISOLATED SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67, NICKEL PLATED, P/N: RFCT-SMA085-F78.

## ENVIRONMENTAL:

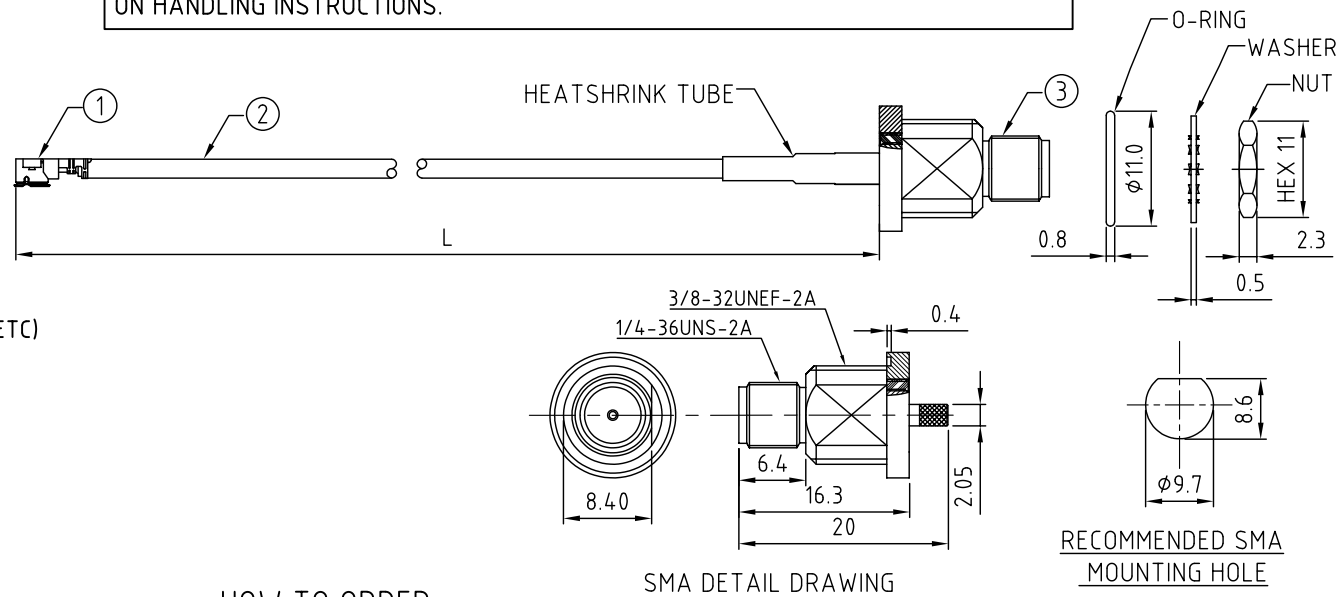
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA085-F78) RATED TO THE FOLLOWING SPECIFICATION:
- i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
  - ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.

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 25MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GCT IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-6GHz.
5. OPERATING TEMPERATURE: -40°C TO +85°C.
6. IMPEDANCE: 50 Ohm.
7. CARE SHOULD BE TAKEN NOT TO OVERTIGHTEN THE MATING CONNECTOR. OVERTIGHTENING RISKS COMPROMISING THE IP RATING OF THE CONNECTOR.

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.



## HOW TO ORDER

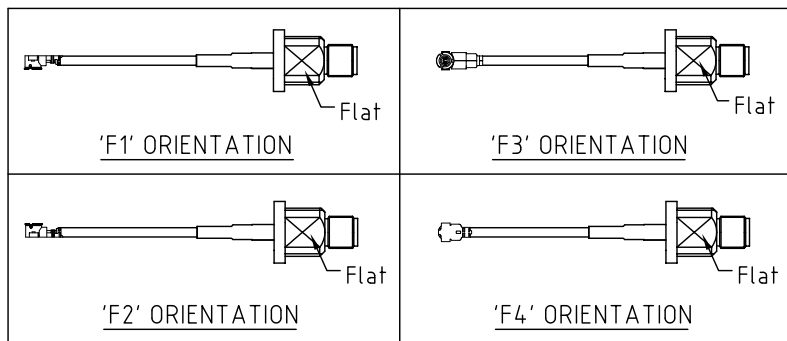
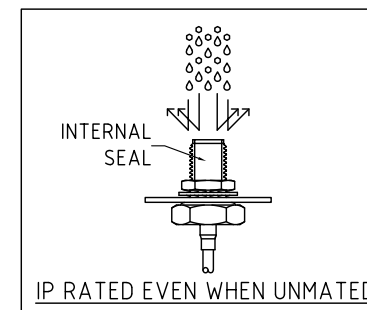
CAB442RF - X X X X - X X - X - 1

"L" LENGTH IN MM:  
eg: 100MM = 0100  
(MIN. 0025-MAX.0400  
STANDARD = 0100, 0150, 0200)  
Tolerance: <50mm:  $\pm 2\text{mm}$   
50-200mm:  $\pm 5\text{mm}$ .  
201-400mm:  $\pm 7\text{mm}$ .

CABLE SIZE:  
1 = RG178 CABLE. COLOR: BROWN

O-RING, WASHER AND NUT OPTIONS:  
 BLANK = SEPARATELY PACKED (STANDARD)  
 A = ASSEMBLED WITH CONNECTOR

**ORIENTATION OPTIONS:**  
**BLANK = DOES NOT HAVE A FIXED ORIENTATION**  
**F1 = MHF CONNECTION DOWN (L=25-200MM)**  
**F2 = MHF CONNECTION UP (L=25-200MM)**  
**F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=25-200MM)**  
**F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=25-200MM)**  
**(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)**



|                   |                                                                                      |          |                                                                    |                                                                                            |                                                                                                                                                                             |                                 |
|-------------------|--------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Scale: NTS        | THIRD ANGLE                                                                          |          | Unstated Tolerances:<br>X N/A<br>.XX N/A<br>.XXX N/A<br>ANGLES N/A | IP Rated<br>RF Products                                                                    |   | Drawing Number:<br><br>CAB442RF |
| Drawn: CC         |  |          |                                                                    |                                                                                            |                                                                                                                                                                             |                                 |
| App'd: XXX        | Title CABLE ASSEMBLY                                                                 |          |                                                                    | www.gct.co                                                                                 | www.gradconn.com                                                                                                                                                            | Sheet 1 of 1                    |
| Date: 16 FEB. '25 | Revision: 1.7                                                                        | Unit: mm |                                                                    | © THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT |                                                                                                                                                                             | Drawing © E and O E             |

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