## CUSTOMER PRODUCT SPECIFICATION SHEET

# RoHS Complian

### CAB612RE: SMA S/T PLUG + SUS316 S/S SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP68/69K + RG178 CABLE

"L" LENGTH IN MM:

(MIN. 0050-MAX.2000

Tolerance: 50mm: ±2mm.

>501mm: ±10mm.

eq: 100MM = 0100

#### SPECIFICATIONS:

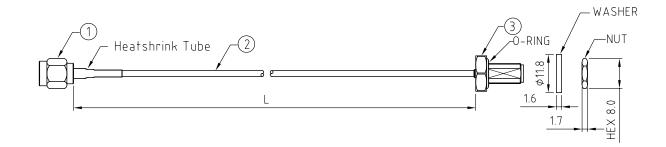
- 1. SMA STRAIGHT PLUG, GOLD PLATED, P/N: RFCT-SMA022-M78.
- 2. COAXIAL CABLE, SEE P/N OPTIONS FOR DETAIL
- 3. SMA STRAIGHT BULKHEAD JACK W/O-RING, W/SUS316 STAINLESS STEEL BODY, RATED TO IP67/68, P/N: RFCT-SMA122-F78 (WITH SILICONE O-RING), RFCT-SMA122-F78-1 (WITH EPDM O-RING).
- 4. WASHER: SUS316.
- 5. NUT: SUS316. PASSIVATED.

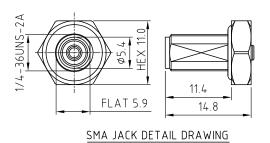
#### **ENVIRONMENTAL:**

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA122-F78-1) TESTED TO THE FOLLOWING SPECIFICATION:
  - i. IP6X DUST TIGHT NO PARTICLE INGRESS.
  - ii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
- iii. IPX9K WATER SPRAY, 14-16L PER MINUTE, AT 8,000-10,000 KPA, AT 100-150MM DISTANCE FOR 30 SECONDS.

#### NOTES:

- 1. WORKING FREQUENCY RANGE: DC-6GHz.
- 2. OPERATING TEMPERATURE: -40°C TO +125°C
- 3. IMPEDANCE: 50 OHM
- 4. IF THE CONNECTOR IS USED IN A CORROSIVE ENVIRONMENT, WE RECOMMEND THE CONNECTOR FACE IS PROTECTED WITH A STAINLESS STEEL DUST CAP.
- 5. PLEASE USE THE RECOMMENDED TORQUE FORCES FOR STAINLESS STEEL CONNECTORS. THIS IS PUBLISHED ON GCT.CO RESOURCES PAGE.





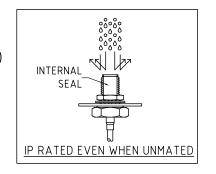


HOW TO ORDER

CAB612RF - X X X X - X - 1 - X O-RING MATERIAL OPTIONS: S = SILICONE, RED E = EPDM. BLACK (STANDARD) CABLE SIZE: STANDARD = 0100, 0150, 0200) 1 = RG178 CABLE, COLOR: BROWN.

> 51-200mm: ±5mm. WASHER AND NUT OPTIONS: 201-500mm: ±7mm.

BLANK = SEPARATELY PACKED (STANDARD) A = ALL ASSEMBLED WITH CONNECTOR



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EV. DATE & DRN	1 25/02/"24 - CC	2 04/03/"24 - NYW	3 22/02/"25 - CC
0 01/12/'23 - NYW RELEASE	ADD IP RATING VIEW	ADD SILICONE O-RING OPTION.	Add GCT logo.

Tolerances: THIRD ANGLE Scale: NTS .X .XX .XXX ANGLES ±0.2 ±0.2 Drawn: CC Title CABLE ASSEMBLY XXX Date: 22 Feb. '25 Revision: 1.3 Unit: mm

IP Rated RF Products



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Drawing Number: CAB612RF

Sheet 1 of 1 Drawing (C) E and 0 E