# CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

### CABLE 234 RF: RP SMA STRAIGHT PLUG + RP SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES

### SPECIFICATIONS:

1. RP SMA STRAIGHT PLUG, P/N:

FOR RG178 CABLE: RFCT-SMA017-M78.

FOR Ø1.13MM CABLE: RFCT-SMA042-M13.

FOR RG316 CABLE: RFCT-SMA017-M74.

- 2. COAXIAL CABLE, SEE P/N FOR DETAIL.
- 3. RP SMA STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP67/68, P/N:

FOR Φ1.13MM~RG178 CABLE: RFCT-SMA008-F78.

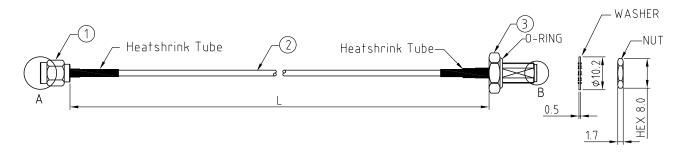
FOR RG316 CABLE: RFCT-SMA008-F74.

#### **ENVIRONMENTAL:**

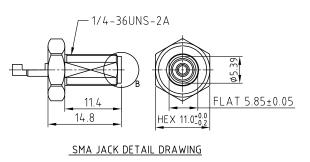
- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA008-Fxx) TESTED TO THE FOLLOWING SPECIFICATION:
  - i. IP6X DUST TIGHT NO PARTICLE INGRESS.
- ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
- iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
- iv. IPX8 WATERPROOF FOR 12 HOURS AT 5 METERS UNDERWATER.
- v. PRESSURE TEST 1 BAR FOR 10 SECONDS.

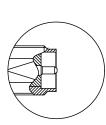
#### NOTES:

- 1. WORKING FREQUENCY RANGE: DC-3GHz.
- 2. OPERATING TEMPERATURE: -40°C~+125°C
- 3. IMPEDANCE: 50 OHM.









DETAIL B

## HOW TO ORDER

CABLE 234 RF - <u>X X X X</u> - <u>X</u> - <u>X</u>

"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.

CABLE SIZE OPTIONS:

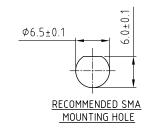
1 = RG178 CABLE, COLOR: BROWN.

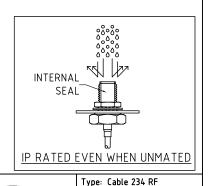
 $2 = \phi 1.13MM$  CABLE, COLOR: GRAY.

3 = RG316 CABLE, COLOR: BROWN.

WASHER AND NUT OPTIONS:

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





REV. DATE & DRN	0 26/05/"16 - RJH RELEASE	1 20/12/17 - NYW ADD 1.13 CABLE OPTION.	1.2 28/11/"18 - NYW ADD SMA JACK DETAIL DRAWIN	1.3 27/05/*19 - NYW ADD OPERATING TEMP	4 02/09/"21 -NYW ADD IMPEDANCE.	5 19/01/"22 – NYW ADD CABLE SIZE 3 OPTION. AMEND OPERATING TEMP	6 03/03/'24 - CC ADD IP RATING VIEW	1.7 16/02/'25 - KY Add GCT logo.
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Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X N/A .XX N/A		
Drawn: KY	$ ] \mapsto - \!\!\!\! \oplus$	XXX N/A ANGLES N/A		
App'd: XXX	Title CABLE ASSEMBLY			
Date: 16 FEB. '25	Revision: 1.7	Unit: mm		

IP Rated RF Products



CABLE 234 RF
Drawing Number:

www.gradconn.com

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Sheet 1 of 1

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