RoHS Compliant

CAB589RF: RP SMA STRAIGHT PLUG + RP SMA RIGHT ANGLE BULKHEAD JACK W/O-RING RATED TO IP67/68 + RG178 CABLE, 6GHz
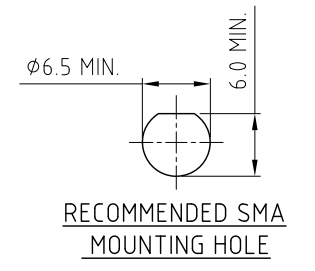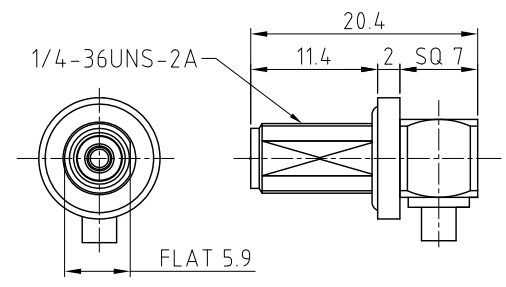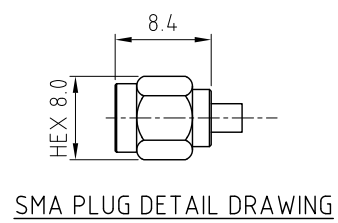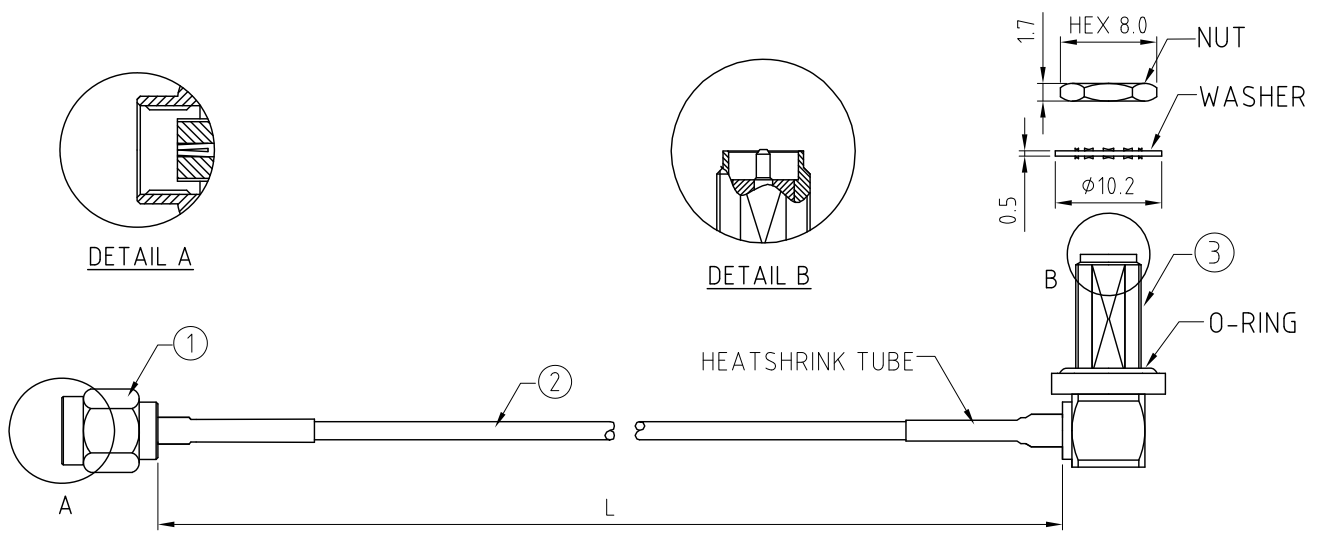
SPECIFICATIONS :
1. RP SMA STRAIGHT PLUG, P/N: RFCT-SMA017-M78.
2. RG178 COAXIAL CABLE, COLOR: BROWN.
3. RP SMA RIGHT ANGLE BULKHEAD JACK W/O-RING RATED TO IP67/68, P/N: RFCT-SMA077-F78 W/SILICONE O-RING, OR RFCT-SMA077-F78-3 W/FLUOROSILICONE O-RING.

ENVIRONMENTAL:
A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA077-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.

NOTES:
1. WORKING FREQUENCY RANGE: DC-6GHz.
2. OPERATING TEMPERATURE: -40°C~+125°C
3. IMPEDANCE: 50 OHM.

DETAIL A

DETAIL B

HEX 8.0 — NUT
— WASHER
1.7
0.5
φ10.2

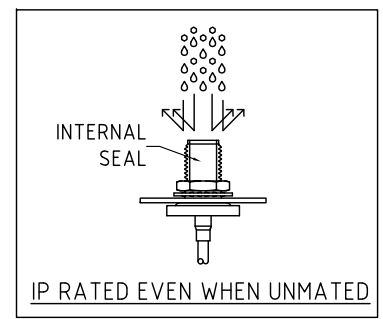③ — O-RING

B

HEATSHRINK TUBE

① A

② L

HOW TO ORDER

CAB589RF - X X X X - X - 1 - X

"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0050-MAX.2000
STANDARD = 0100, 0150, 0200)
Tolerance: 50mm: ±2mm.
     51-200mm: ±5mm.
     201-500mm: ±7mm.
     501-999mm: ±10mm.
     ≥1000mm: ± (Lx0.02)mm.

O-RING OPTIONS:
S = SILICONE, COLOR: RED
F = FLUOROSILICONE, COLOR: BLACK

CABLE SIZE:
1 = RG178 CABLE, COLOR: BROWN.

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

8.4
HEX 8.0

SMA PLUG DETAIL DRAWING

1/4-36UNS-2A
20.4
11.4 | 2. | SQ 7
FLAT 5.9

SMA JACK DETAIL DRAWING

φ6.5 MIN.
6.0 MIN.

RECOMMENDED SMA MOUNTING HOLE

INTERNAL SEAL

IP RATED EVEN WHEN UNMATED

REV. DATE & DRN
10 15/10/23 - NYW RELEASE
11 25/07/24 - CC ADD IP RATING VIEW, ADD SMA PLUG DETAIL VIEW.