

RFPC-SMA23-FN: SMA Bulkhead Jack With O-ring, Edge Mount Connector, Rated to IP68/69K, 6GHz

Material and Plating:

Insulator A: Teflon

Insulator B: Teflon

Body: Brass, Gold Plated

Pin: Phosphor Bronze, Gold Plated

Gasket A: Silicone rubber, Color: Red

Gasket B: Silicone rubber, Color: Red

O-Ring: Silicone rubber, Color: Red

Barrel: Brass, Gold Plated

Washer: Brass, Gold Plated

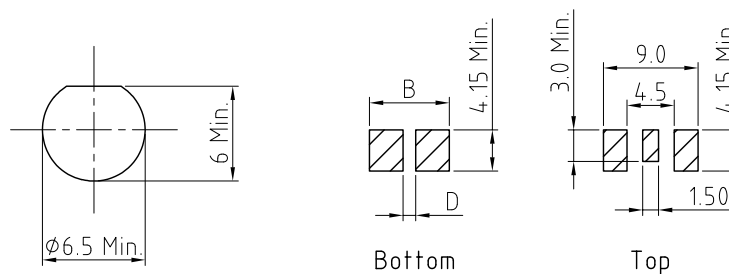
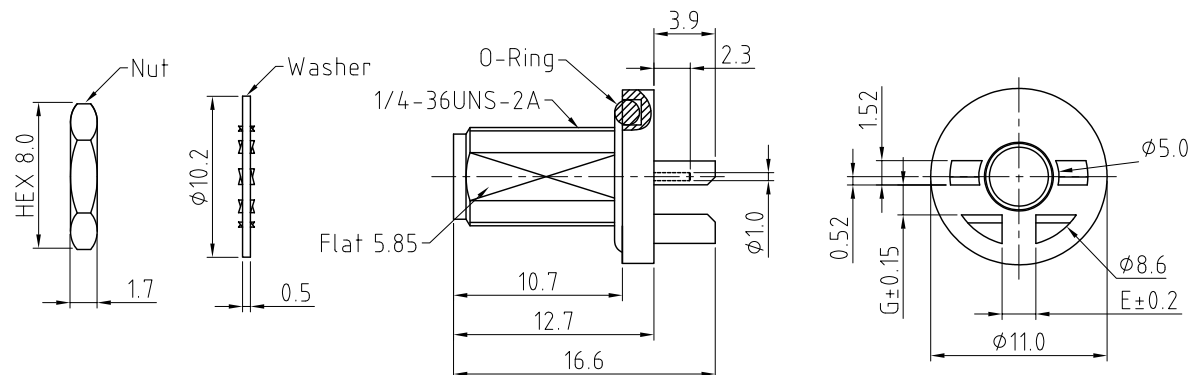
Nut: Brass, Gold Plated

Environmental:

- A. Tested to:
- 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: -65°C to +165°C.
3. Impedance: 50 Ohm
4. VSWR: 1.5 Max.
5. Recommended PCB Thickness: 0.80mm/1.20mm/1.60mm.
Other PCB thickness available on request



Dim B	Dim D	Dim E	Dim G	Recommended PCB thickness
8.4	3.7	4.0	0.95	0.80
8.0	3.7	4.0	1.40	1.20
7.6	1.2	1.55	1.86	1.60

Recommended Mounting Hole

Recommended Foot Print

Tolerance: ± 0.05

HOW TO ORDER

RFPC - SMA23 - FN - XXX - X

DIMENSION G OPTIONS:

095 = 0.95MM, FOR 0.80MM PCB THICKNESS

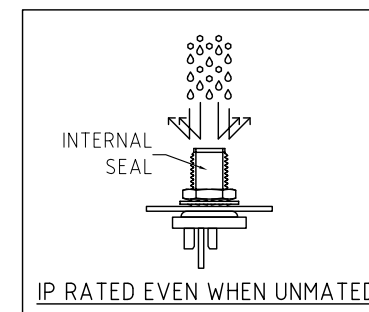
140 = 1.40MM, FOR 1.20MM PCB THICKNESS

186 = 1.86MM, FOR 1.60MM PCB THICKNESS

WASHER AND NUT OPTIONS:

BLANK = SEPARATELY PACKED (STANDARD)

A = ALL ASSEMBLED WITH CONNECTOR



REV. DATE & DRN	
10.10.26/05/73 - NYW RELEASE	
11.26/06/73 - NYW	
12.08/09/73 - NYW	
13.31/03/74 - CC	
14.12/04/74 - CC	
15.12/04/74 - CC	
16.04/12/74 - CC	
17.24/02/75 - CC	
18.14/06/75 - CC	

Scale: NTS	THIRD ANGLE		Unstated X XX XXX ANGLES	Tolerances ±0.2 ±0.2 ±0.2 N/A
Drawn: CC				
App'd: XXX	Title SMA PCB Connector			
Date: 24 Feb. '25	Revision: 1.7		Unit: mm	

IP Rated
RF Products



www.gct.co

www.gradconn.com

Drawing Number:

RFPC-SMA23-FN

Sheet 1 of 1

Drawing (C)	E and O E
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