RFPC-SMA33-FN: RP SMA Bulkhead Jack, With O-ring, Edge Mount Connector, 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

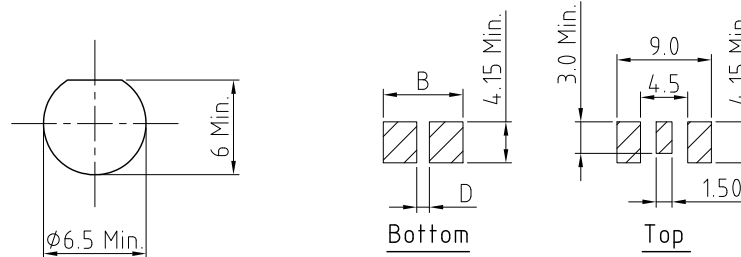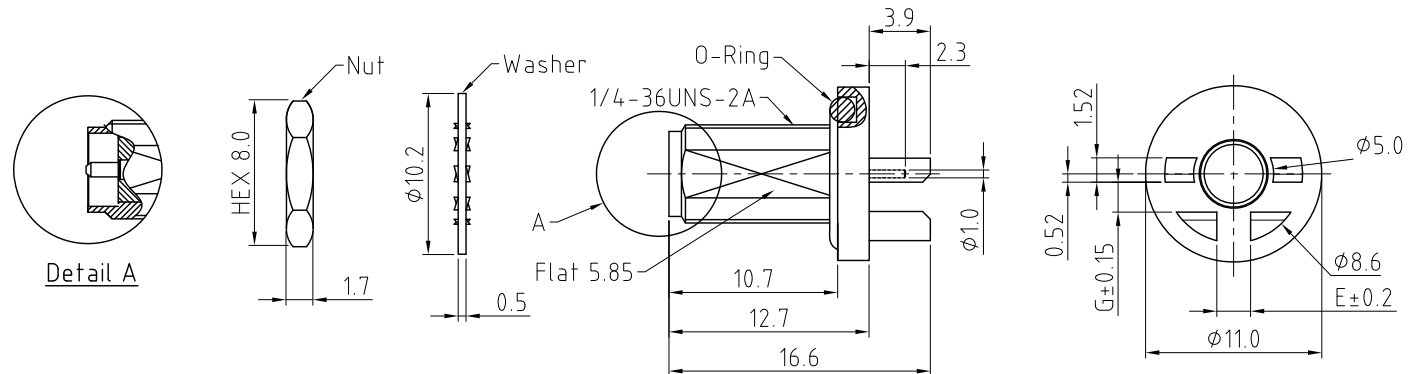Washer: Brass, Gold Plated

Nut: Brass, Gold Plated

Environmental:
A. Rated 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 or 1.6mm.
   Other PCB thickness available on request

Detail A

Nut — HEX 8.0 — 1.7

Washer — Ø10.2 — 0.5

O-Ring — 3.9 — 2.3
1/4-36UNS-2A
A
Flat 5.85
Ø1.0
10.7
12.7
16.6

1.52
0.52
G±0.15
Ø5.0
Ø8.6
E±0.2
Ø11.0

Recommended Mounting Hole
Ø6.5 Min.
6 Min.

Recommended Foot Print
Tolerance: ±0.05
B
D
Bottom
4.15 Min.
3.0 Min.
9.0
4.5
4.15 Min.
1.50
Top

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

HOW TO ORDER

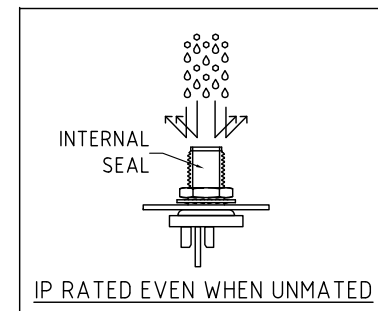RFPC - SMA33 - FN - XXX - X

DIMENSION G OPTIONS:
095 = 0.95MM, FOR 0.80MM PCB THICKNESS
186 = 1.86MM, FOR 1.60MM PCB THICKNESS

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

INTERNAL SEAL

IP RATED EVEN WHEN UNMATED

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[GCT]():

[RFPC-SMA33-FN-095-A]() [RFPC-SMA33-FN-186-A]()