CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

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

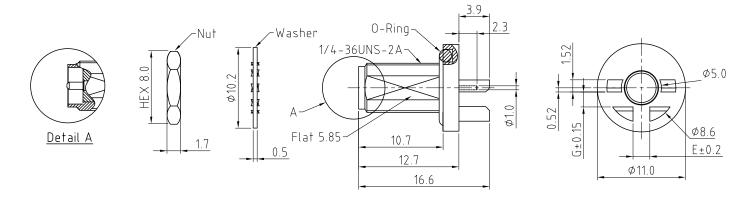
Environmental:

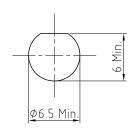
A. Rated to:

- 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.

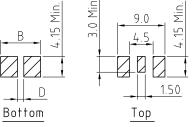
Notes:

- 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



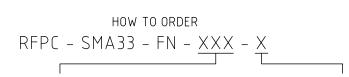


Recommended Mounting Hole



Tolerance: ±0.05

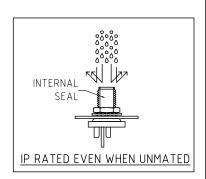
| Recommended Foot Print | | | | | | | |
|------------------------|--|--|--|--|--|--|--|
| Tologapeo: +0.05 | | | | | | | |



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



Recommended

PCB thickness

0.80

1.60

| | 1SE | Scale: | NTS | THIRD ANGLE | Unstated .X .XX | Tolerances: ±0.2 ±0.2 ±0.2 |
|----------|---|---------|----------|-------------------------|-----------------------|-------------------------------------|
| N. | C RELEV | Drawn: | СС | Φ | | ±0.2 N/A |
| ATE & DF | 0 29/07/'24 - CC RELEASE 1 04/12/'24 - CC Add GCT logo. | App'd: | XXX | Title SMA PCB Connector | | |
| 2 | 0 29/0 1 04/1 | Date: 4 | DEC. '24 | Revision: 1.1 | Unit: п | nm |





Dim D

3.7

1.2

Dim B

8.4

7.6

Dim E

4.0

1.55

Dim G

0.95

1.86

RFPC-SMA33-FN

Drawing Number:

(C) THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT

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