CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

Ø5.0

Ø8.6

 $E \pm 0.2$

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

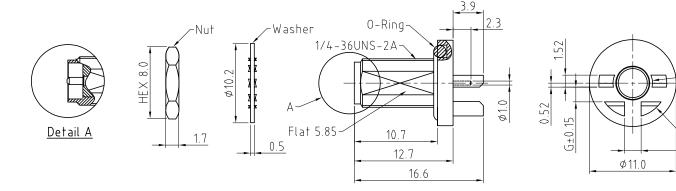
Environmental:

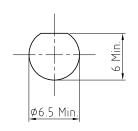
A. Rated to:

- 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 $^{\sim}$ 10,000 kPa, at 100-150mm distance for 30 seconds.

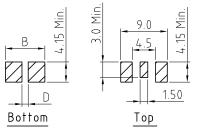
Notes:

- 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 Foot Print
Tolerance: ±0.05

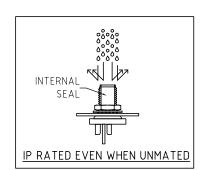
Dim B	Dim D	Dim E	Dim G	Recommended PCB thickness		
8.4	3.7	4.0	0.95	0.80		
7.6	1.2	1.55	1.86	1.60		



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



35	Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X ±0.2 .XX ±0.2				Drawing Number:
DRN - CC RELEASE -	Drawn: CC			IP Rated	GCT	GRADCONN	RFPC-SMA33-FN
REV. DAIT & DB 11 14/12/74 - C Add GCT logo.	App'd: XXX	Title SMA PCB Co	onnector	RF Products	www.act.co	www.gradconn.com	Sheet 1 of 1
10 29/0 10 29/0 12 12/1 12 12/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date: 12 MAY '25	Revision: 1.2	Unit: mm	THIS DRAWING IS CONFIDENT		CLOSED WITHOUT WRITTEN CONSENT	Drawing (C) E and O E