

Material and Plating:

1. SMA Body: SUS303, Passivated
- Insulator A: Teflon
- Insulator B: Teflon
- Insulator C: Teflon
- Washer: Brass, Nickel Plated
- Gasket A: Silicone
- Gasket B: Silicone
- Pin A: Brass, Gold Plated
- Pin B: Brass, Gold Plated
2. PCB Body: Brass, Gold Plated
3. O-Ring: See P/N Options
4. Lock Washer: SUS303, Passivated.
5. Nut: SUS303, Passivated

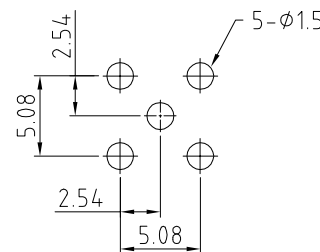
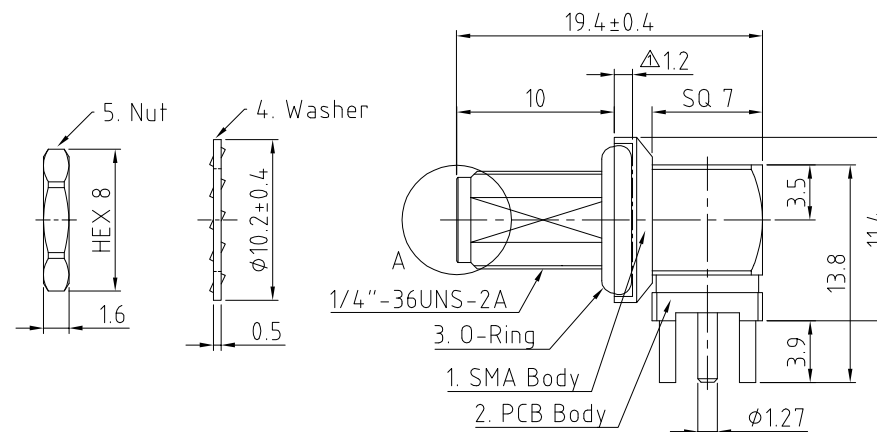
Environmental:

A.Rated to:

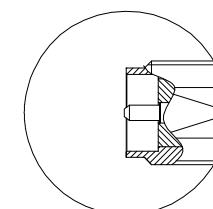
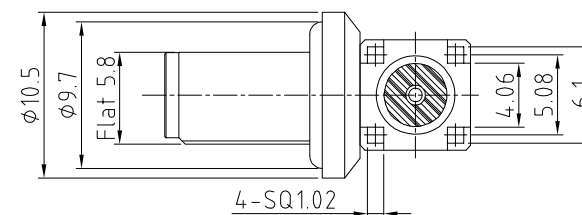
- i. IP6X – Dust tight – No particle ingress.
- ii. IPX7 Waterproof for 30 minutes up to 1 meter underwater.
- iii. IPX8 Waterproof for 48 hours at 1 meter underwater

Notes:

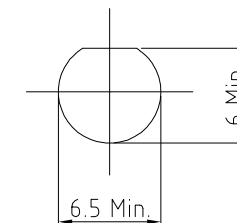
1. Working Frequency Range: DC-6GHz.
2. Operating Tempereature : -65°C to +165°C.
3. Please use the recommended torque forces for stainless connectors. This is published on Gradconn.com resources page.
4. Impedance: 50 Ohm.



Recommended PCB Hole Layout



Detail A



Recommended Mounting Hole
(Recommended Maximum Panel
Thickness: 2.0mm)

HOW TO ORDER
RFPC - SMA24 - FN - X - X

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

O-RING MATERIAL OPTIONS:
E = EPDM, COLOR: BLACK (STANDARD)
S = SILICONE, COLOR: RED

REV. DATE & DRN 10. 26/07/23 - NYW RELEASE 11. 09/08/23 - NYW ADD DRN1 UPDATE NOTE 1 12. 26/09/23 - NYW ADD DRN2 DIMENSION MARKING 13. 09/07/23 - NYW ADD SUS MATERIAL	Scale: NTS	THIRD ANGLE		Unstated Tolerances: XX ±0.20 XXX ±0.20 ANGLES ±2°	 IP Rated RF Products © THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT	 www.gradconn.com	Type: RFPC-SMA24-FN
	Drawn: NYW			RFPC-SMA24-FN			
	App'd: XXX	Title SMA PCB Connector					Drawing Number:
	Date: 8 DEC. '23	Revision: 1:3	Unit: mm	Sheet 1 of 1			
							Drawing © E and O E