

RFPC-SMA31-FN

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

RFPC-SMA31-FN: SMA Bulkhead Jack With O-ring, Edge Mount, IP67, 6GHz

Material and Plating:
Body: Brass, Nickel Plated.
Pin: Brass, Gold Plated.
Insulator: Teflon, White.
O-ring: Silicone Rubber, Red.
Washer: Brass, Nickel Plated.
Nut: Brass, Nickel Plated.

Environmental:
A. Rated to:
i. IP6x - Dust tight - no particle ingress.
ii. IPx7 Waterproof for 30 minutes up to 1 meter underwater.

Notes:
1. Working Frequency Range: DC-6GHz.
2. Operating Temperature : -55°C to +125°C.
3. Impedance: 50 Ohm.
4. Recommended PCB Thickness: 0.80mm or 1.60mm.
Other PCB thickness available on request

Technical drawing showing the assembly of the SMA Bulkhead Jack. It includes a side view of the nut and washer, a top view of the washer, and a side view of the O-ring assembly. Dimensions include: 1/4"-36UNS, HEX 8.0, 1.75, 1.10, 5.85±0.10, 15.20±0.20, 11.40, 2.80, 1/4"-36UNS-2A, 5.35, 9.00, 6.10, 4.10, 1.00, 0.64, 1.27, and G±0.10.

Technical drawing showing the Recommended Mounting Hole. It is a circular hole with a diameter of 6.50±0.10 and a depth of 6.00±0.15.

Technical drawing showing the Recommended Foot Print. It includes a Top view with dimensions 2.55, 5.10, 2x 1.60, 3.30, 1.87, and 5.10. The Bottom view shows dimensions 5.10, 1.60, and 3.30. The tolerance is ±0.05.

HOW TO ORDER

RFPC - SMA31 - FN - XXX - X

DIMENSION G OPTIONS:
095 = 0.95MM, FOR 0.80MM PCB THICKNESS
175 = 1.75MM, FOR 1.60MM PCB THICKNESS

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

Dimension G	Recommended PCB thickness
0.95	0.80
1.75	1.60

REV. DATE & DWN
10 22/07/24 - CC RELEASE
11 10/07/24 - CC
Add SCL 0860

Scale: NTS	THIRD ANGLE	Unstated .X .XX .XXX ANGLES	Tolerances: ±0.50 ±0.15 ±0.10 ±1°
Drawn: CC			
App'd: XXX	Title SMA PCB Connector		
Date: 10 OCT. '24	Revision: 1.1	Unit: mm	

IP Rated RF Products

www.gct.co

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Drawing Number:
RFPC-SMA31-FN

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Drawing © E and O E

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