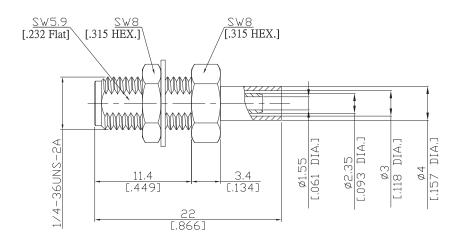


# Technical Data Sheet

# SMA Straight Bulkhead Cable Jack

# SMA2CA50-G316A/91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

According to

IEC 60169-15; MIL-C-39012; MIL-STD-348A/310

#### Electrical Data

Impedance

Frequency

Insertion Loss

VSWR (Return Loss)

50 Ω

DC to 12.4 GHz

≤ 1.04 (≥ 34.15 dB), DC to 1 GHz

 $\leq$  1.05 ( $\geq$  32.26 dB), 1 to 2.5 GHz

≤ 1.20 (≥ 20.83 dB), 2.5 to 5 GHz

 $\leq$  0.03 x  $\sqrt{F(GHz)}$  dB, DC to 5 GHz

- Limitations are possible due to the used cable type -

#### Mechanical Data

Coupling mechanisms

Centre contact

Cable entry

Screw-lock

Soldered or Crimped

Crimped

#### Environmental Data

Temperature range

RoHS

-65°C to +165°C

compliant

## Material And Plating

Connector parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating(Nickel underplated)
Body	Brass	Gold plating(Nickel underplated)
Insulator	PTFE	
Crimp ferrules	Brass	Gold plating(Nickel underplated)
Fastening nut	Brass	Gold plating(Nickel underplated)
Washer	Brass	Gold plating(Nickel underplated)

## Suitable Cables

RG 316, RG 174, RG 188A, BELDEN 7805

Packing

Single or 100

Related Document

Mounting Dimension

MD19

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only	Kev.:-	Rosnol RF/Microwave Technology www.rosnol.com ; info@rosnol.com
In the effort to improve our products, we reserve the right to make changes	Date:	Phone:+886-3-463-5095
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