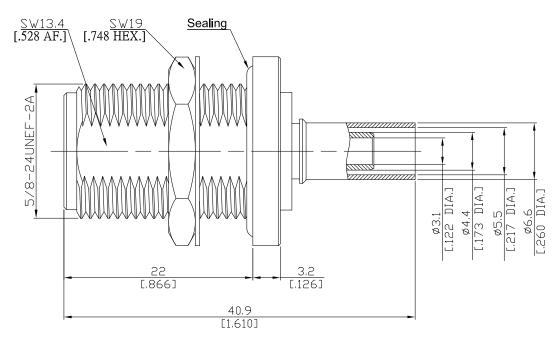


### Technical Data Sheet

## N jack (female) Straight Bulkhead Cable DC- 6 GHz, VSWR ≤ 1.15

# N2CA50-G058B / H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

RF-leakage

according to

IEC 61169-8; MIL-STD-348B/301

#### Electrical Data

Impedance Frequency VSWR (Return Loss) Insertion Loss Insulation resistance

Center contact resistance Outer contact resistance Working voltage

Power handling (at 20 °C, sea level, VSWR 1.0)

 $50 \Omega$ 

DC to 6 GHz ≤ 1.15 (≥ 23.1 dB)  $\leq$  0.05 x  $\sqrt{F}$  (GHz) dB

≥ 5 GΩ  $\leq 1 \text{ m}\Omega$  $\leq 0.25~\text{m}\Omega$ 1400 V rms

700 W @ 2 GHz 1000 W @ 1 GHz

≥ 128 dB @ DC to 1 GHz

Limitations are possible due to the used cable type and manufacturing process

Material And Plating		
Connector parts	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Crimp ferrules	Brass	Copper-Tin-Zinc Alloy
Fastening nut	Brass	Copper-Tin-Zinc Alloy
Washer	Brass	Copper-Tin-Zinc Alloy

The facts and figures herein are carefully compiled to the best of our	KOV.	Rosnol RF/Microwave Technology Co., Ltd.	Page
knowledge, but they are intended for general informational purposes only.		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 / Fax: +886-3-463-5952	1 /2
judged to be necessary.		N-CAGE Code: SFKK0 / ISO9001 Certified	1/2



### Technical Data Sheet

## N jack (female) Straight Bulkhead Cable DC- 6 GHz, VSWR ≤ 1.15

## N2CA50-G058B / H4

Mechanical Data

Coupling mechanisms Screw-lock
Mating cycles min. 500

Centre contact Solid center conductor: Plug-in / Stranded center conductor: Soldered or crimped

Cable entry Crimped
Coupling test torque ≤ 1.7 Nm

Recommended torque 0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range -65°C to +165°C

Thermal shock MIL-STD-202, Meth. 107, Cond. B
Corrosion MIL-STD-202, Meth. 101, Cond. B
Vibration MIL-STD-202, Meth. 204, Cond. B
Shock MIL-STD-202, Meth. 213, Cond. I
Moisture resistance MIL-STD-202, Method 106

RoHS compliant

Crimp Dimensions [HEX]

Crimp ferrule 5.41 mm [.213 inch]
Centre contact 0.71 mm [.028 inch]

Suitable Cables

RG 58, RG 58A, RG 58C, RG 141, RG 303, BELDEN 7806A, BELDEN 9907, LMR 195

Packing

Singleor 100