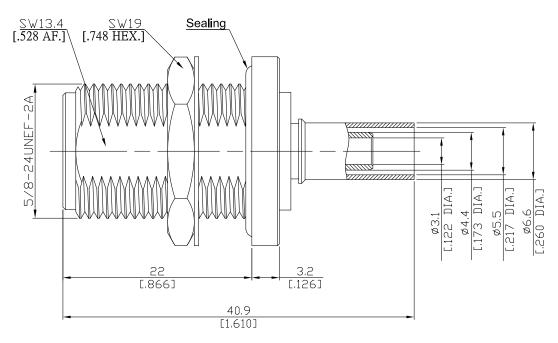


### Technical Data Sheet

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

# N2CA50-G058A / H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

according to

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

#### Electrical Data

Impedance
Frequency
VSWR (Return Loss)
Insertion Loss
Insulation resistance
Center contact resistance

Center contact resistance
Outer contact resistance
Working voltage

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

1EC 01107-0, WILE 31D-340D7 301

50 Ω

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

 $\geq 5 \text{ G}\Omega$ 

 $\leq 1 \text{ m}\Omega$  $\leq 0.25 \text{ m}\Omega$ 1400 V rms

1000 W @ 1 GHz

 $\geq$  128 dB @ DC to 1 GHz

700 W @ 2 GHz

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

#### Material And Plating

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	l Kev.:-	Rosnol RF/Microwave Technology Co., Ltd.	Page
	knowledge, but they are intended for general informational purposes only.		www.rosnol.com; info@rosnol.com	1
	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-G058A / H3

Mechanical Data

Screw-lock Coupling mechanisms min. 500 Mating cycles

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

Cable entry ≤ 1.7 Nm Coupling test torque Recommended torque 0.7 Nm to 1.1 Nm

Environmental Data

-65°C to +165°C Temperature Range

MIL-STD-202, Meth. 107, Cond. B Thermal shock MIL-STD-202, Meth. 101, Cond. B Corrosion 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] 0.71 mm [.028 inch] Centre contact

Suitable Cables

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

Packing

Singleor 100

Rev.:-