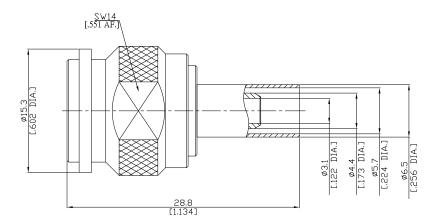


## Technical Data Sheet

# TNC Straight Cable Plug

# TNC1C50-G142B/144



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

IEC 61169-17; MIL-STD-348A/313

#### Electrical Data

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

 $\leq$  1.07 ( $\geq$  29.4 dB), DC to 2.5 GHz

 $\leq$  1.22 ( $\geq$  20.1 dB), 2.5 to 4 GHz  $\leq$  1.29 ( $\geq$  17.9 dB), 4 to 6 GHz

Insertion Loss

 $\leq 0.05 \times \sqrt{F \text{ (GHz) dB}}$ , DC to 6 GHz

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

#### Mechanical Data

Coupling mechanisms

Screw-lock

Centre contact Cable entry Soldered or Crimped

Crimped

### Environmental Data

Temperature range

**RoHS** 

-65°C to +165°C

compliant

### Material And Plating

| <b>-</b>        |                 |                                  |
|-----------------|-----------------|----------------------------------|
| Connector parts | Material        | Plating                          |
| Centre contact  | Brass           | Gold plating(Nickel underplated) |
| Body            | Brass           | Copper-Tin-Zinc Alloy            |
| Insulator       | PTFE            |                                  |
| Gasket          | Silicone Rubber |                                  |
| Coupling nut    | Brass           | Copper-Tin-Zinc Alloy            |
| Crimp ferrules  | Brass           | Copper-Tin-Zinc Alloy            |

#### Suitable Cables

RG-55, RG-142, RG-223, RG-400

### Packing

Single, 5-pack or 100

| The facts and figures herein are carefully compiled to the best of our      |
|---|
| knowledge, but they are intended for general informational purposes only.   |
| In the effort to improve our products, we reserve the right to make changes |
| judged to be necessary.   |

| kev | Rosnol RF/Microwave Technology<br>www.rosnol.com; info@rosnol.com |
|-----|---|
|     | Phone: +886-3-463-5095 / Fax:+886-3-463-5952                      |