

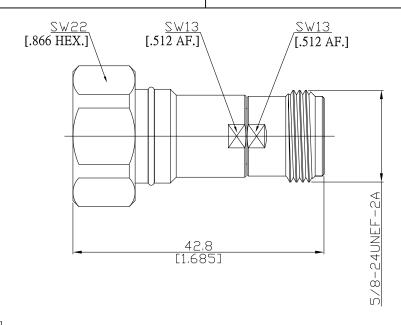
## Technical Data Sheet

# Adaptor plug/jack 4.1/9.5 plug (male) / Precision N jack (female)

# AD-MD1PCN25A/144-94

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All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

Precision N according to IEC 61169-16

4.1/9.5 according to IEC 61169-11, DIN 47231

#### Electrical Data

Impedance  $50 \Omega$ 

Frequency DC to 14 GHz VSWR (Return Loss)  $\leq$  1.13 ( $\geq$  24 dB) Insertion Loss  $\leq$  0.05 x  $\sqrt{F}$  (GHz) dB

#### Mechanical Data

Coupling mechanisms 4.1/9.5 (Screw-lock); Precision N (Screw-lock)

Weight N/A

#### Environmental Data

Temperature range -40 °C to +85 °C RoHS compliant

### Material And Plating

| Piece Parts (4.1/9.5) | Material        | Plating                                    |
|-----------------------|-----------------|--|
| Centre contact        | Brass           | Gold plating (without Nickel underplating) |
| Body                  | Brass           | Copper-Tin-Zinc Alloy                      |
| Insulator             | PTFE            |  |
| Gasket                | Silicone Rubber |  |
| Coupling nut          | Brass           | Copper-Tin-Zinc Alloy                      |

| Piece Parts (Precision N) | Material         | Plating                                    |
|---------------------------|------------------|--|
| Centre contact            | Beryllium Copper | Gold plating (without Nickel underplating) |
| Body                      | Brass            | Copper-Tin-Zinc Alloy                      |
| Insulator                 | PTFF             |  |

#### Packing

Single 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. | Kev.:-     | Rosnol RF/Microwave Technology<br>www.rosnol.com; info@rosnol.com |  |
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| In the effort to improve our products, we reserve the right to make changes  | I          | Phone: +886-3-463-5095  |  |
| judged to be necessary.  | 2016/03/08 | Fax: +886-3-463-5952  |  |