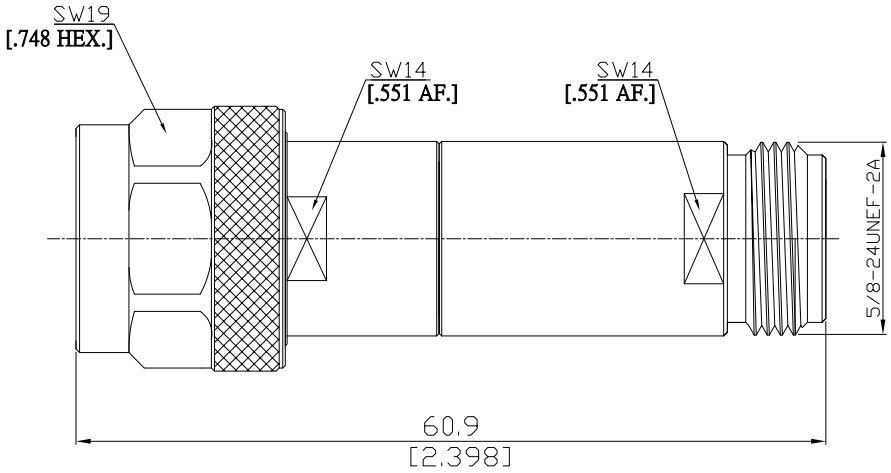
ROSNOL
RF/Microwave Interconnect

# Technical Data Sheet

Impedance Matching Pads plug/jack
N 75Ω plug (male) / N 50Ω jack (female)

## MP-N17N25A-2G/144-94




All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

### Interface

| | |
|---|---|
| According to | IEC 61169-16; MIL-C-39012; MIL-STD-348A/304; CECC 22210 |

### Electrical Data

| | | | |
|---|---|---|---|
| Impedance | | N 75 Ω Plug / N 50 Ω Jack | |
| Interface frequency max. | | DC to 2 GHz | |
| Frequency range sub-section | | DC to 0.5 GHz | 0.5 to 1 GHz |
| VSWR (Return loss) | 50 Ω | ≤ 1.15 (≥ 23.13 dB) | ≤ 1.25 (≥ 19.08 dB) |
| | 75 Ω | ≤ 1.15 (≥ 23.13 dB) | ≤ 1.25 (≥ 19.08 dB) |
| Insertion loss | 50 Ω to 75 Ω | ≤ 5.7 dB | |
| | 75 Ω to50 Ω | ≤ 5.7 dB | |
| Avrg. power rating (W) | | 0.7 W (@ 40 °C; linearly decreasing to 0 W @ 125 °C) | |

### Mechanical Data

| | |
|---|---|
| Coupling mechanisms | Screw-lock |
| Weight | 0.0526 kg |

### Environmental Data

| | |
|---|---|
| Temperature range | -55°C to +125°C |
| RoHS | compliant |

### Material And Plating

| Piece Parts (N) | 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 |

| Piece Parts (N) | Material | Plating |
|---|---|---|
| Centre contact | Beryllium Copper | Gold plating(Nickel underplated) |
| Body | Stainless Steel | Copper-Tin-Zinc Alloy |
| Insulator | PTFE | |

### Packing

Single or 100





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