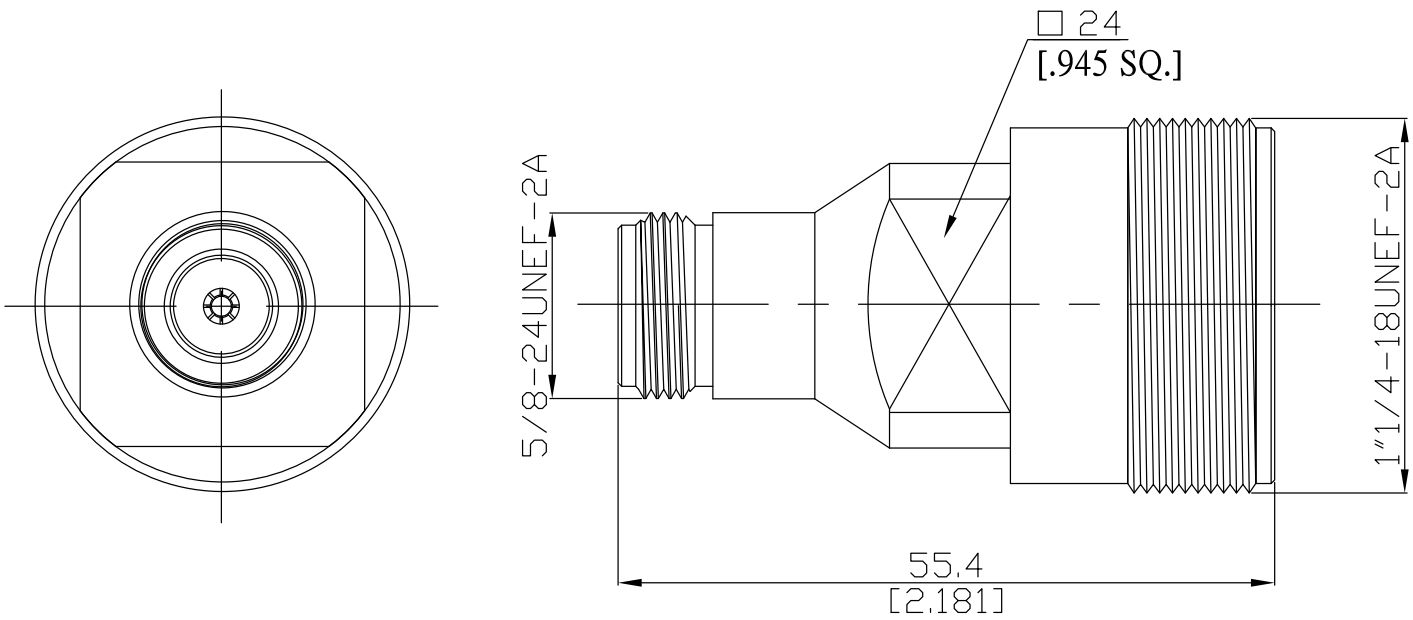
ROSNOL®
RF/Microwave Interconnect

# Technical Data Sheet

## N Jack (female) to LC Jack (female)
## Straight Adapter

# AD-N2LC25A / 83-83




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

## Interface

| | |
|---|---|
| N according to | IEC 61169-16; MIL-STD-348B/304 |
| LC according to | MIL-STD-348B/315 |

## Electrical Data

| | |
|---|---|
| Impedance | 50 Ω |
| Frequency | DC to 1 GHz |
| VSWR (Return Loss) | ≤ 1.2 (≥ 20.83 dB) |
| Insertion loss | ≤ 0.1 x √f(GHz) |
| Insulation resistance | ≥ 5 GΩ |
| Center contact resistance | ≤ 1 mΩ, N side; |
| Outer contact resistance | ≤ 0.25 mΩ, N side; |
| Working voltage | 500 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 1000 W @ 1 GHz |
| RF-leakage | ≥ 128 dB up to 1 GHz |

## Material And Plating

| Piece Parts (N) | Material | Plating |
|---|---|---|
| Centre contact | Beryllium Copper | Silver |
| Body | Brass | Nickel |
| Insulator | PTFE | |
| **Piece Parts (7/16)** | **Material** | **Plating** |
| Centre contact | Beryllium Copper | Silver |
| Body | Brass | Nickel |
| Insulator | PTFE | |





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# N Jack (female) to LC Jack (female) Straight Adapter

# AD-N2LC25A / 83-83

## Mechanical Data

| | N side | LC side |
|---|---|---|
| Coupling mechanisms | Screw-lock | Screw-lock |
| Mating cycles | ≥ 500 | ≥ 500 |
| Coupling nut retention | ≥ 450 N | N/A |
| Center contact captivation: axial | ≥ 200 N | N/A |
| radial | ≥ 3 Ncm | N/A |
| Coupling test torque | max. 1.7 Nm | N/A |
| Recommended torque | 0.7 Nm to 1.1 Nm | N/A |

## Environmental Data

| | |
|---|---|
| Temperature range | -65°C to +165°C |
| RoHS | compliant |

## Packing

Single or 100





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