

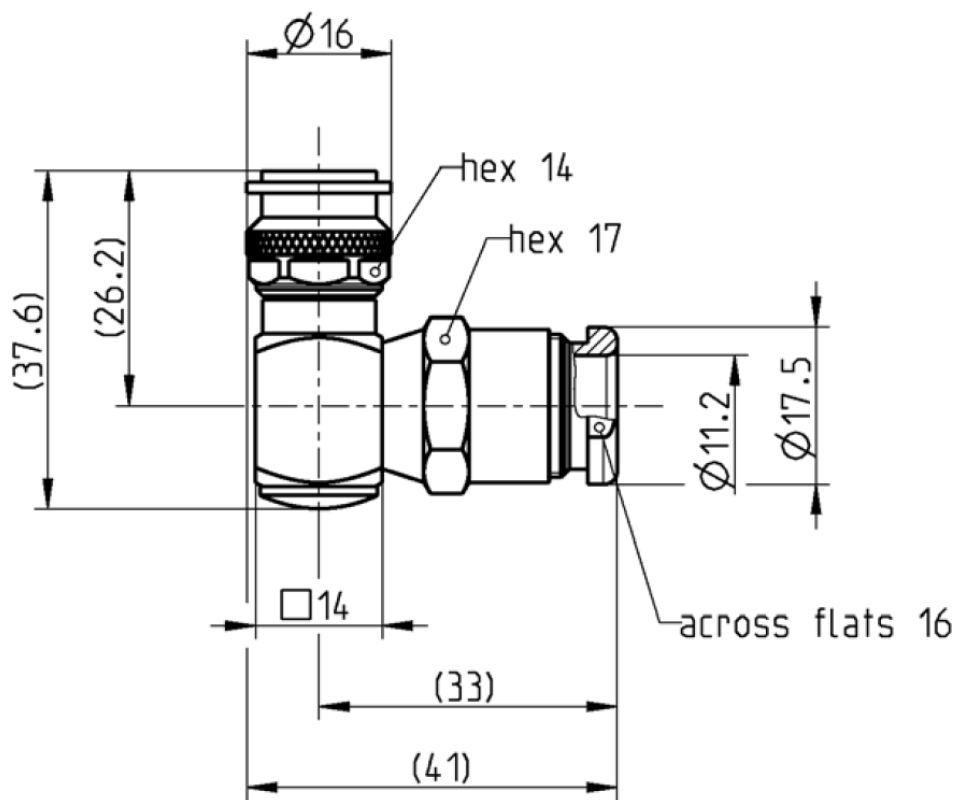
Connector TNC LMR300 RA Male



Rosenberger compatible Part Number:

56S201-015N5





All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 61169-16, MIL-PRF-39012, CECC 22210

Material and plating

| Connector parts | Material | Plating |
|-----------------|-----------------|-----------------------|
| Center contact | Brass | AuroDur®, gold plated |
| Outer contact | Brass | tri-metal |
| Body | Brass | tri-metal |
| Dielectric | PTFE | |
| Gasket | NeopreneCR 50C6 | |
| Gasket | Silicone | |

Electrical data

| | |
|--|---|
| Impedance | 50 Ω |
| Frequency | DC to 10 GHz |
| Return loss | ≥ 30 dB @ DC to 1 GHz ≥ 25 dB @ 1 to 2 GHz ≥ 15 dB @ 2 GHz to 4 GHz |
| Insertion loss | ≤ 0.05 x √f[GHz] dB, DC to 4 GHz [GHz] |
| Insulation resistance | ≥ 5 MΩ |
| Center contact resistance | ≤ 1.5 mΩ |
| Outer contact resistance | ≤ 1 mΩ |
| Test voltage | 1500 V rms |
| Working voltage (at sea level) | 500 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | 80 W @ 2 GHz |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|------------------------|--------------------|
| Mating cycles | ≥ 500 |
| Coupling nut retention | ≤ 15 N |
| Coupling test torque | 1.7 Nm |
| Recommended torque | 0.46 Nm to 0.69 Nm |

Environmental data

| | |
|--|--------------------------------------|
| Temperature range | -65 ° C to +165 ° C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion resistance | MIL-STD-202, Method 101, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Shock | MIL-STD-202, Method 213, Condition G |
| Moisture resistance 2002/95/EC (RoHS) | MIL-STD-202, Method 106 compliant |

Weight

| | |
|--------|------------|
| Weight | 57.5 g/pce |
|--------|------------|



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