

COAXIAL CONNECTOR, QN, 50 Ohm, Straight cable plug (male)

11_QN-50-7-8/133_N

Properties

- Same performance but smaller than N-Interface
- High packing density
- Applicable in frequencies up to 11 GHz
- Easy to mate - No torque or tooling required



| Product configuration | | |
|-----------------------|--------|------------------|
| Interface type | Gender | Standard |
| QN | plug | QN QLF compliant |

| Interface and material data | | |
|-----------------------------|--|------------------------|
| Piece parts | Material | Plating |
| Centre contact | Brass | SUCOPRO / Gold Plating |
| Outer conductor | Brass | SUCOPLATE (R) Plating |
| Body | Brass | SUCOPLATE (R) Plating |
| Insulator | PFA / PTFE | |
| Coupling nut | Brass | SUCOPLATE (R) Plating |
| Gasket | EPDM (Ethylene propylene diene rubber) | |
| Crimp ferrule | Copper | SUCOPLATE (R) Plating |

| Electrical data | |
|---------------------|--------|
| Impedance | 50 Ω |
| Interface frequency | 11 GHz |

| Electrical Data (frequency related) | | |
|-------------------------------------|-------------|-------|
| Frequency range | Return loss | VSWR |
| 0.1 GHz ... 2 GHz | 35 dB | 1.036 |
| 2 GHz ... 4 GHz | 27.5 dB | 1.088 |
| 4 GHz ... 6 GHz | 23 dB | 1.152 |

| Mechanical data | |
|----------------------------|-----------|
| Weight | 0.0207 kg |
| Mating cycles | 100 |
| Cable entry centre contact | crimped |

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Mechanical data

| | |
|---------------------------|---------|
| Cable entry outer contact | crimped |
|---------------------------|---------|

Environmental data

| | |
|--------------------------------|------------------|
| Operation temperature | -40 °C ... 125°C |
| Ingress protection (IP Rating) | Mated / IP67 |

Ordering Information Table

| Item number | Item description | Packaging type |
|-------------|---------------------|----------------|
| 84078850 | 11_QN-50-7-8/133_NE | Single |
| 84022686 | 11_QN-50-7-8/133_NH | Bulk 100 pcs |

Suitable cables

| | |
|-------------------|--|
| Cable group | X32 - 7 mm / 50 Ohm U30 - 7 mm / 50 Ohm |
| Suitable cables | SPUMA_400 |
| Additional cables | LMR-400 |

Additional Information

| | |
|------------------|----|
| Only as assembly | No |
|------------------|----|

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