

**COAXIAL CONNECTOR, QMA, 50 Ohm, Straight cable plug (male)**

11\_QMA-W50-4-3/133\_N

**Properties**

- Excellent electrical performance
- High packing density
- Applicable in frequencies up to 18 GHz
- Easy to mate - No torque or tooling required
- Return loss optimized DC to 6 GHz



| Product configuration |        |                                 |
|-----------------------|--------|---------------------------------|
| Interface type        | Gender | Standard                        |
| QMA                   | plug   | QMA IP 68 rated - QLF compliant |

  

| Interface and material data |                                |                       |
|-----------------------------|--------------------------------|-----------------------|
| Piece parts                 | Material                       | Plating               |
| Centre contact              | Brass                          | SUCOPRO Plating       |
| Outer conductor             | Brass                          | SUCOPLATE (R) Plating |
| Body                        | Brass                          | SUCOPLATE (R) Plating |
| Insulator                   | PTFE (Polytetrafluoroethylene) |                       |
| Gasket                      | VMQ (Silicone rubber)          |                       |
| Crimp ferrule               | Brass                          | SUCOPLATE (R) Plating |

  

| Electrical data     |        |
|---------------------|--------|
| Impedance           | 50 Ω   |
| Interface frequency | 18 GHz |

  

| Electrical Data (frequency related) |             |       |
|-------------------------------------|-------------|-------|
| Frequency range                     | Return loss | VSWR  |
| 0.1 GHz ... 2 GHz                   | 33.5 dB     | 1.043 |
| 2 GHz ... 4 GHz                     | 31 dB       | 1.058 |
| 4 GHz ... 6 GHz                     | 26 dB       | 1.106 |

  

| Mechanical data            |           |
|----------------------------|-----------|
| Weight                     | 0.0064 kg |
| Mating cycles              | 100       |
| Cable entry centre contact | soldered  |
| Cable entry outer contact  | crimped   |

**COAXIAL CONNECTOR, QMA, 50 Ohm, Straight cable plug (male)**

11\_QMA-W50-4-3/133\_N

| Environmental data             |                  |
|--------------------------------|------------------|
| Operation temperature          | -40 °C ... 105°C |
| Ingress protection (IP Rating) | Mated / IP67     |

| Ordering Information Table |                       |                |
|----------------------------|-----------------------|----------------|
| Item number                | Item description      | Packaging type |
| 84075865                   | 11_QMA-W50-4-3/133_NE | Single         |
| 84023153                   | 11_QMA-W50-4-3/133_NH | Bulk 100 pcs   |

| Suitable cables   |                     |
|-------------------|---------------------|
| Cable group       | X9 - 4 mm / 50 Ohm  |
|                   | X34 - 4 mm / 50 Ohm |
|                   | X28 - 4 mm / 50 Ohm |
|                   | S16 - 4 mm / 50 Ohm |
| Suitable cables   | S_04162_B-01        |
|                   | SPUMA_240           |
|                   | Spuma_240-RS-FR     |
| Additional cables | LMR-240             |
|                   | S_04262_D           |

| Additional Information |           |
|------------------------|-----------|
| Remarks                | RFC 240-T |
| Only as assembly       | No        |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P3520 / Date of publication: 25.11.2023 / uncontrolled copy