

# COAXIAL CONNECTOR, QMA, 50 Ohm, Right angle cable plug (male)

## 16\_QMA-50-2-2/133\_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 QLF compliant |

### Interface and material data

|                 |            |                       |
|-----------------|------------|-----------------------|
| Piece parts     | Material   | Plating               |
| Centre contact  | Brass      | SUCOPRO Plating       |
| Outer conductor | Bronze     | SUCOPLATE (R) Plating |
| Body            | Brass      | SUCOPLATE (R) Plating |
| Insulator       | PFA / PTFE |                       |
| Crimp ferrule   | Copper     | SUCOPLATE (R) Plating |

### Electrical data

|                     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| Interface frequency | 18 GHz      |

### Electrical Data (frequency related)

| Frequency range   | Return loss | VSWR |
|-------------------|-------------|------|
| 0 GHz ... 2 GHz   | 32 dB       | 1.05 |
| 2 GHz ... 2.5 GHz | 30 dB       | 1.06 |

### Mechanical data

|                            |           |
|----------------------------|-----------|
| Weight                     | 0.0071 kg |
| Mating cycles              | 100       |
| Cable entry centre contact | soldered  |
| Cable entry outer contact  | crimped   |

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| Environmental data    |                  |
|-----------------------|------------------|
| Operation temperature | -40 °C ... 85 °C |

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 23017657            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |
| 23017658            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |

| Ordering Information Table |                      |                |
|----------------------------|----------------------|----------------|
| Item number                | Item description     | Packaging type |
| 23017657                   | 16_QMA-50-2-2/133_NE | Single         |
| 23017658                   | 16_QMA-50-2-2/133_NH | Bulk 100 pcs   |

| Suitable cables   |                    |
|-------------------|--------------------|
| Cable group       | U2 - 2 mm / 50 Ohm |
| Suitable cables   | RG_316_/U          |
|                   | RG_188_A/U         |
| Additional cables | RG_174_/U          |

| Additional Information |    |
|------------------------|----|
| Only as assembly       | No |

| Suitable tools |                  |               |
|----------------|------------------|---------------|
| Item number    | Item description | Type of tool  |
| 22543185       | 76_Z-0-3-1       | Crimping dies |
| 23023444       | 74_Z-0-0-360     | Locator       |

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