

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

## 16\_QMA-50-3-1/133\_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      |

| Mechanical data            |           |
|----------------------------|-----------|
| Weight                     | 0.0081 kg |
| Mating cycles              | 100       |
| Cable entry centre contact | soldered  |
| Cable entry outer contact  | crimped   |

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

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| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 23017686            | 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  |
| 23017687            | 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 |
| 23017686                   | 16_QMA-50-3-1/133_NE | Single         |
| 23017687                   | 16_QMA-50-3-1/133_NH | Bulk 100 pcs   |

| Suitable cables   |                     |
|-------------------|---------------------|
| Cable group       | U9 - 3 mm / 50 Ohm  |
|                   | U41 - 3 mm / 50 Ohm |
|                   | U11 - 3 mm / 50 Ohm |
| Suitable cables   | RG_400_/U           |
|                   | RG_223_/U           |
|                   | RADOX_RF_400        |
| Additional cables | ENVIROFLEX_400      |
|                   | ENVIROFLEX_142      |
|                   | RADOX_RF_142        |

| 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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