

**COAXIAL CONNECTOR, SMC, 50 Ohm, Right angle cable plug (male)**

16\_SMC-50-2-25/111\_N

**Properties**

- Screw-on mechanism permits a vibration-proof connection
- Suitable for semi-permanent connections and for use in mobile equipment
- Applicable in frequencies up to 10 GHz

**Product configuration**

|                |        |                                         |
|----------------|--------|-----------------------------------------|
| Interface type | Gender | Standard                                |
| SMC            | plug   | IEC 60169-9_MIL-STD-348A/312_CECC 22140 |

**Interface and material data**

| Piece parts     | Material               | Plating                           |
|-----------------|------------------------|-----------------------------------|
| Centre contact  | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Outer conductor | Brass                  | Gold Plating (Nickel underplated) |
| Body            | Brass                  | Gold Plating (Nickel underplated) |
| Insulator       | PFA / PTFE             |                                   |
| Coupling nut    | Brass                  | Gold Plating (Nickel underplated) |

**Electrical data**

|                     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| Interface frequency | 10 GHz      |

**Mechanical data**

|                            |           |
|----------------------------|-----------|
| Weight                     | 0.0031 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | soldered  |
| Cable entry outer contact  | soldered  |

**Environmental data**

|                       |                   |
|-----------------------|-------------------|
| Operation temperature | -65 °C ... 165 °C |
|-----------------------|-------------------|

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| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22644126            | 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  |
| 23003713            | 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 |
| 22644126                   | 16_SMC-50-2-25/111_NE | Single         |
| 23003713                   | 16_SMC-50-2-25/111_NH | Bulk 100 pcs   |

| Suitable cables |                     |
|-----------------|---------------------|
| Cable group     | Y3 - 2 mm / 50 Ohm  |
|                 | Y16 - 2 mm / 50 Ohm |
|                 | Y11 - 2 mm / 50 Ohm |
| Suitable cables | SR_86_TP_M17        |

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

| Suitable tools |                  |                      |
|----------------|------------------|----------------------|
| Item number    | Item description | Type of tool         |
| 22644541       | 74_Z-0-0-177     | Assembly tool        |
| 22643029       | 74_Z-0-0-157     | Cable stripping tool |

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