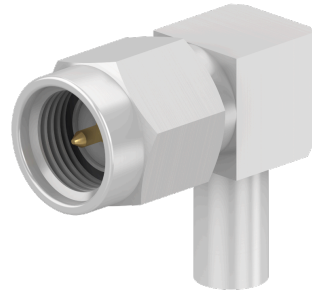


**COAXIAL CONNECTOR, SMA, 50 Ohm, Right angle cable plug (male)**

16\_SMA-50-2-111/133\_N

**Properties**

- Excellent return loss
- Intermateable with PC3.5 and SK
- Applicable in frequencies up to 18 GHz

**Product configuration**

|                |        |
|----------------|--------|
| Interface type | Gender |
| SMA            | plug   |

**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) |                       |
| Coupling nut    | Brass                          | SUCOPLATE (R) Plating |
| Gasket          | VMQ (Silicone rubber)          |                       |
| 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 ... 1 GHz   | 32 dB       | 1.05 |
| 1 GHz ... 2.5 GHz | 29 dB       | 1.07 |
| 2.5 GHz ... 5 GHz | 26 dB       | 1.11 |

**Mechanical data**

|                            |          |
|----------------------------|----------|
| Weight                     | 47 g     |
| Mating cycles              | 500      |
| Cable entry centre contact | soldered |

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

16\_SMA-50-2-111/133\_N

| Mechanical data           |         |
|---------------------------|---------|
| Cable entry outer contact | crimped |

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

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 84130708            | 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  |
| 84117808            | 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 |
| 84130708                   | 16_SMA-50-2-111/133_NE | Single         |
| 84117808                   | 16_SMA-50-2-111/133_NP | Bulk 500 pcs   |

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

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

| Suitable tools |                  |               |
|----------------|------------------|---------------|
| Item number    | Item description | Type of tool  |
| 23000885       | 76_Z-0-1-2       | Crimping dies |
| 22543124       | 74_Z-0-0-14      | Locator       |

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