

COAXIAL CONNECTOR, SMA, 50 Ohm, Straight cable plug (male)

11_SMA-50-7-2/199_N

Properties

- Excellent corrosion resistance in a wide range of environments
- High salt mist resistant
- Material 316L stainless steel
- Excellent return loss values
- Applicable in frequencies up to 18 GHz

**Product configuration**

| | | |
|----------------|--------|--|
| Interface type | Gender | Standard |
| SMA | plug | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

Interface and material data

| | | |
|-----------------|--|-----------------------------------|
| Piece parts | Material | Plating |
| Centre contact | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Outer conductor | Stainless Steel (high salt mist resistant) | Passivated (Plating) |
| Body | Stainless Steel (high salt mist resistant) | Passivated (Plating) |
| Insulator | PTFE (Polytetrafluoroethylene) | |
| Coupling nut | Stainless Steel (high salt mist resistant) | Passivated (Plating) |
| Crimp ferrule | Copper | SUCOPLATE (R) Plating |

Electrical data

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

Electrical Data (frequency related)

| Frequency range | Return loss | VSWR |
|-----------------|-------------|------|
| 0 GHz ... 2 GHz | 28 dB | 1.08 |
| 2 GHz ... 4 GHz | 24 dB | 1.13 |
| 4 GHz ... 8 GHz | 23 dB | 1.15 |

Mechanical data

| | |
|----------------------------|----------|
| Cable entry centre contact | soldered |
| Cable entry outer contact | crimped |

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| Environmental data | |
|--------------------------------|------------------|
| Installation temperature | -65 °C ... 165°C |
| Ingress protection (IP Rating) | Mated / IP67 |

| Ordering Information Table | | |
|----------------------------|----------------------|----------------|
| Item number | Item description | Packaging type |
| 85167341 | 11_SMA-50-7-2/199_NE | Single |

| Suitable cables | |
|-----------------|--|
| Cable group | X32 - 7 mm / 50 Ohm U30 - 7 mm / 50 Ohm |
| Suitable cables | SPUMA_400-FR SPUMA_400-RS-FR |

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

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