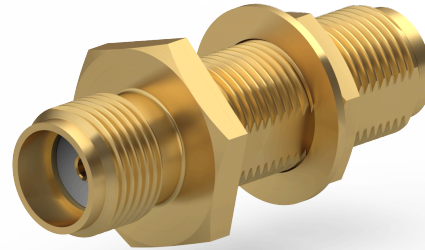


COAXIAL ADAPTER, SMA, 50 Ohm, Bulkhead, jack / jack (female / female)

34_SMA-50-0-9/111_U

Properties

- Non-magnetic
- For cryogenic applications
- Excellent return loss
- Mechanical intermateable with PC 3.5 (3.5 mm standard) and SK (2.92 mm standard)
- Operating frequency up to 18 GHz



Product configuration

| Interface type | Gender | Standard |
|----------------|---------------|--|
| SMA | jack (female) | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |
| SMA | jack (female) | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

Interface and material data

| SMA | | |
|-----------------|------------------------|--------------|
| Piece parts | Material | Plating |
| Centre contact | Copper Beryllium Alloy | Gold Plating |
| Outer conductor | Copper Beryllium Alloy | Gold Plating |
| Body | Copper Beryllium Alloy | Gold Plating |
| Insulator | PFA / PTFE | |
| Fastening nut | Copper Beryllium Alloy | Gold Plating |
| Washer | Copper Beryllium Alloy | Gold Plating |
| SMA | | |
| Piece parts | Material | Plating |
| Centre contact | Copper Beryllium Alloy | Gold Plating |
| Outer conductor | Copper Beryllium Alloy | Gold Plating |
| Body | Copper Beryllium Alloy | Gold Plating |
| Insulator | PFA / PTFE | |
| Fastening nut | Copper Beryllium Alloy | Gold Plating |
| Washer | Copper Beryllium Alloy | Gold Plating |

Electrical data

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

COAXIAL ADAPTER, SMA, 50 Ohm, Bulkhead, jack / jack (female / female)

34_SMA-50-0-9/111_U

| Electrical Data (frequency related) | | |
|--|--------------------|-------------|
| Frequency range | Return loss | VSWR |
| 0 GHz ... 6 GHz | 30 dB | 1.065 |
| 6 GHz ... 10 GHz | 25 dB | 1.119 |
| 10 GHz ... 18 GHz | 22 dB | 1.173 |

| Mechanical data | |
|------------------------|----------|
| Weight | 0.004 kg |
| Mating cycles | 500 |

| Environmental data | |
|---------------------------|-------------------|
| Operation temperature | -65 °C ... 125 °C |

| Material compliance | | | |
|----------------------------|-----------------------------------|--------------------------|-----------------------------|
| Item number | Directive / Regulation | Rating | Exemptions / Details |
| 85255003 | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption | 6c |
| | REACH 1907/2006 Article 33 SVHC | | CAS: 7439-92-1 Lead |

| Ordering Information Table | |
|-----------------------------------|-------------------------|
| Item number | Item description |
| 85255003 | 34_SMA-50-0-9/111_UE |

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