



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to ISO 20860-1

Documents

PCB layout MB_172; MB_355
Tape & reel packaging VG255.43000

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Housing

Material

Brass
Zinc alloy
HTN
HTN

Plating

AuroDur®, gold plated
Tin, 2-5 µm, over Nickel 1-5 µm

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Electrical data

| | |
|---------------------------|---|
| Impedance | 50 Ω |
| Frequency | DC to 6 GHz |
| Return loss | ≥ 26 dB (DC to 1 GHz) (b) ≥ 23 dB (DC 1 to 2.4 GHz) ≥ 20 dB (DC 2.4 to 4 GHz) ≥ 15 dB (DC 4 to 6 GHz) |
| Insertion loss | ≤ 0.15 x dB |
| Insulation resistance | ≥ 1x10 ³ MΩ |
| Center contact resistance | ≤ 5 mΩ |
| Outer contact resistance | ≤ 5 mΩ |
| Test voltage | 750 V rms |
| Working voltage | 335 V rms |
| Power current | ≤ 1 A DC |

- Connector only, VSWR in application depends decisive on PCB layout –

Mechanical data

| | |
|-----------------------|---------|
| Mating cycles | ≥ 25 |
| Engagement force | ≤ 25 N |
| Disengagement force | ≥ 2 N |
| Retention force latch | ≥ 110 N |
| Coding efficiency | ≥ 40 N |

Environmental data

| | |
|--------------------------------|-------------------------------|
| Temperature range | -40°C to +105°C |
| Thermal shock | DIN 72594-2 clause 8.2 |
| Temperature and humidity | DIN 72594-2 clause 8.3 |
| Vibration and mechanical shock | DIN 72594-2 clause 8.1 |
| Dry heat | DIN 72594-2 clause 8.4 |
| Soldering profile | acc. IEC 60068-2-58 Group 3&4 |
| RoHS | compliant |

Tooling

N/A

Packing

| | |
|----------|--|
| Standard | 430 pcs in tape & reel |
| Weight | 2.4 g (b) |

Storage condition

| | |
|----------------------------|---|
| Moisture Sensitivity Level | 2 |
|----------------------------|---|

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