



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

Compatible to MIL-STD-348

Documents

PCB layout B 124
Tape & reel packaging VG144.01M00

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

Brass
Brass
LCP

Plating

AuroDur®, gold plated
AuroDur®, gold plated

Electrical data

| | |
|---------------------------|--|
| Impedance | 50 Ω |
| Frequency | DC to 26.5 GHz |
| Return loss | ≥ 26 dB, DC to 6 GHz ≥ 21 dB, 6 to 12 GHz ≥ 18 dB, 12 to 18 GHz |
| Insertion loss | $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB, DC to 18 GHz |
| Insulation resistance | ≥ 5 G Ω |
| Center contact resistance | ≤ 6.0 m Ω |
| Outer contact resistance | ≤ 2.0 m Ω |
| Test voltage | 500 V rms |
| Working voltage | 335 V rms |
| Contact Current | 1.2A DC max. |

- VSWR in application depends decisive on PCB layout -

Mechanical data

| | |
|-----------------------------|-------------|
| Mating cycles | ≥ 1000 |
| Center contact captivation: | ≥ 7 N |
| Engagement force | |
| - smooth bore | 9 N max. |
| Disengagement force | |
| - smooth bore | 2.2 N min. |

Environmental data

| | |
|----------------------------|--------------------------------------|
| Temperature range | -65°C to +155°C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Shock | MIL-STD-202, Method 213, Condition A |
| Moisture resistance | MIL-STD-202, Method 106 |
| Max. soldering temperature | IEC 61760-1, +260°C for 10 sec. |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

Weight 0.4 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|--|----------|-----------------|----------|------|--|----------------|---------------|
| Rong Fang | 29/02/08 | J_Krautenbacher | 08.09.16 | e00 | 16-1508 | S. Huber-Siegl | 08.09.16 |
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