



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

Interface

Similar to MIL-STD-348A, Fig. 326

Documents

PCB layout please request optimized footprint for your application
Tape & reel packaging VG01.01M00

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric

Material

- Beryllium copper
- Brass
- Casting resin

Plating

- AuroDur, gold plated
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Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Return loss	≥ 26 dB, DC to 12 GHz ≥ 17 dB, 12 to 40 GHz
Insertion loss	$\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB
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	≥ 500
Center contact captivation	≥ 7 N
Engagement force	
- limited detent	45 N max.
Disengagement force	
- limited detent	9 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 0.41 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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