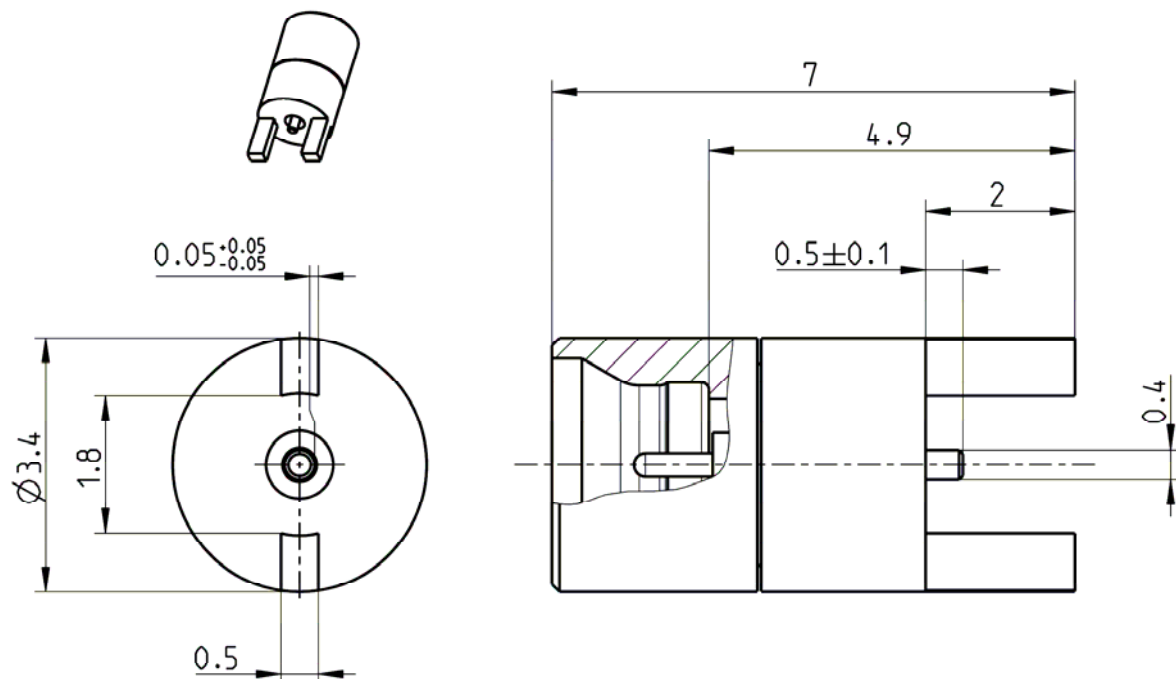




All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to

MIL-STD-348A, Fig. 328

Mateable with GPPO™ (Gilbert Engineering Co., Inc.)
and SSMP™ (Connectors Devices, Inc.)

Documents

PCB layout

B 235

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric

Material

Beryllium copper
Brass
Brass
PEEK

Plating

AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated

Electrical data

Impedance	50 Ω
Frequency	DC to 65 GHz
Return loss	≥ 30 dB, DC to 26.5 GHz ≥ 21 dB, 26.5 to 40 GHz ≥ 19 dB, 40 to 50 GHz ≥ 17 dB, 50 to 65 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	≥ 5 G Ω
Center contact resistance	≤ 6.0 m Ω
Outer contact resistance	≤ 2.0 m Ω
Working voltage (at sea level)	325 V rms
(at 70000 feet)	125 V rms

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

Mechanical data

Mating cycles	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Full detent	≤ 19 N
Disengagement force	
- Full detent	≥ 29 N

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition A
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Climatic Category	IEC 60068 55/155/21
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	100 pcs in blister
Weight	0.26 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
T. Höher	05/08/10	Christian Janßen	24.09.10	b00	10-0002	S_Krautenb.	24.09.10
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