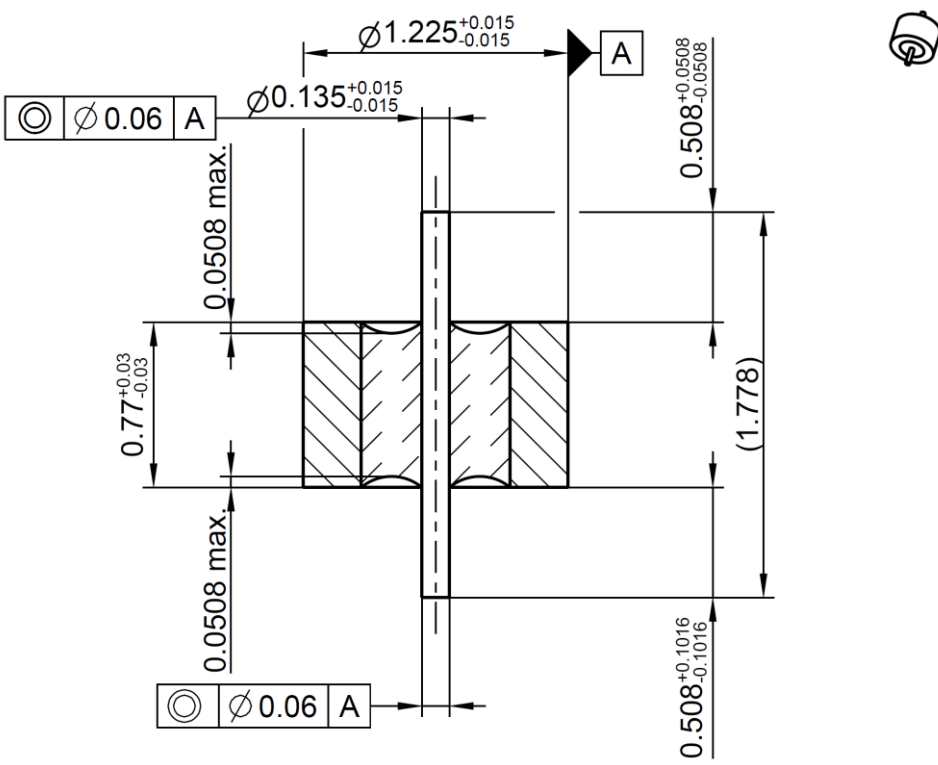


Technical Data Sheet		Rosenberger	
Glass Seal		01Z103-000D3	
			
All dimensions are in mm			
Interface		N/A	
Documents		N/A	
Material and plating			
Connector parts		Material	Plating
Center contact		Kovar	Gold, min. 1.27 µm, over chemical nickel
Outer contact		Kovar	Gold, min. 1.27 µm, over chemical nickel
Dielectric		glass: Corning 7070 or equivalent	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.com		Tel. : +49 8684 18-0 Email : info@rosenberger.com	
		Page 1 / 2	

Technical Data Sheet

Rosenberger

Glass Seal

01Z103-000D3

Electrical data

Impedance	$50 \Omega \pm 2 \Omega$
Frequency	DC to 110 GHz
Return loss (typical)	$\geq 17 \text{ dB}$, DC to 70 GHz $\geq 12 \text{ dB}$, 70 GHz to 90 GHz $\geq 10 \text{ dB}$, 90 GHz to 110 GHz
Return loss ¹⁾	$\geq 20 \text{ dB}$, DC to 20 GHz $\geq 14 \text{ dB}$, 20 to 40 GHz $\geq 12 \text{ dB}$, 40 GHz to 70 GHz $\geq 10 \text{ dB}$, 70 GHz to 110 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB}$
Insulation resistance	$\geq 5 \text{ G}\Omega$
Dielectric withstand voltage	500 V rms

¹⁾ Test of scattering parameters with two sparkplug launcher 01K521-800D3 as measurement adaptors, results including measurement adaptors

Mechanical data

Center contact captivation	$\geq 10 \text{ N}$
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Environmental data

Temperature range	-65°C to +165°C
Max. soldering temperature	+300°C
Hermetivity	$\leq 10^{-8} \text{ mbar} \times \text{l/s}$
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

0.01g/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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Reiner	16.04.21	H. Babinger	15.07.22	200	22-v304	S. Schmid	14.07.22
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