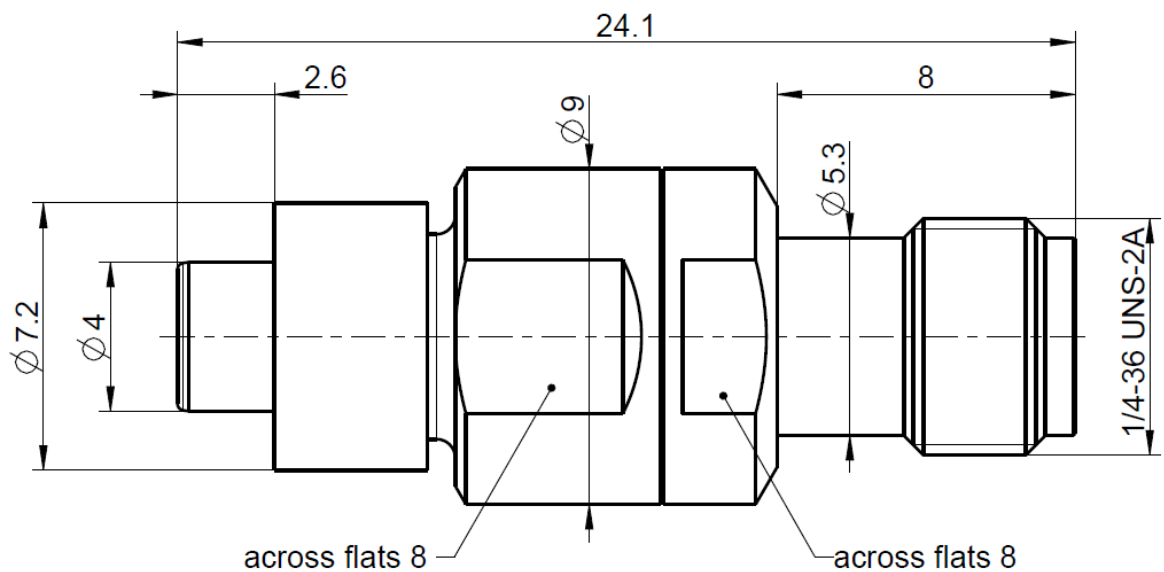


EBC

Adaptor
EBC male – SMA female

EBCS132-K01N1


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

Interface

According to EBC-side: Rosenberger EBC
SMA side: IEC 60169-15; EN 122110; MIL-STD-348

Documents

Application note EBC

Material and plating

Connector parts

Center contact
Outer contact EBC
Outer contact SMA
Dielectric

Material

CuBe or equiv.
Brass
Brass
PTFE

Plating

Silver, 3-6 µm
Flash white bronze over silver(e.g. Optargen®)
AuroDur®, gold plated

RF_35/09.14/6.2
Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

Technical Data Sheet - Draft				Rosenberger			
EBC		Adaptor EBC male – SMA female		EBCS132-K01N1			
Electrical data Impedance50 Ω FrequencyDC to 8 GHz Return loss≥ 26 dB @ DC to 6 GHz* (tbd) Insertion loss≤ 0.03 x √f [GHz] dB (tbd) Insulation resistance≥ 5 GΩ (tbd) Center contact resistance≤ 10 mΩ (tbd) Outer contact resistance≤ 5 mΩ (tbd) Test voltage (at sea level)500 V rms (tbd) Working voltage (at sea level)335 V rms (tbd) Power handling (sea level, VSWR 1.0)100 W @ 2.2 GHz @ 25°C (tbd) Contact Current≤ 2A DC (tbd) RF leakage – Interface only≥ 50 dB up to 4 GHz (tbd) Crosstalk – Next / Fext≥ 70 dB up to 4 GHz (tbd) Intermodulation (3rd order)≥ 160 dBc (2 x 43 dBm) (tbd) Mechanical data Mating cyclesEBC side ≥ 100 (tbd)SMA side ≥100 Center contact captivationEBC side ≥ 7 NSMA side ≥27 N Disengagement force EBC sideΔ 3N - 5N (between Limited Detent and Smooth Bore) (tbd) Working range1.6 mm (± 0.8 mm) Radial misalignment4° Environmental data Temperature range-55 °C to +125 °C Thermal shockMIL-STD-202, Method 107, Condition B Climatic categoryIEC 61169-1, Sub-clause 9.4.5 (+155 °C, 250 hours) (tbd) Moisture resistanceMIL-STD-202, Method 106 VibrationMIL-STD-202, Method 204, Condition B ShockMIL-STD-202, Method 213, Condition A RoHScompliant Weight Weight5.10g/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
B_Aicher	12.06.18	M. Schmid	13.06.22	400	22-0004	M. Schmid	13.06.22
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2