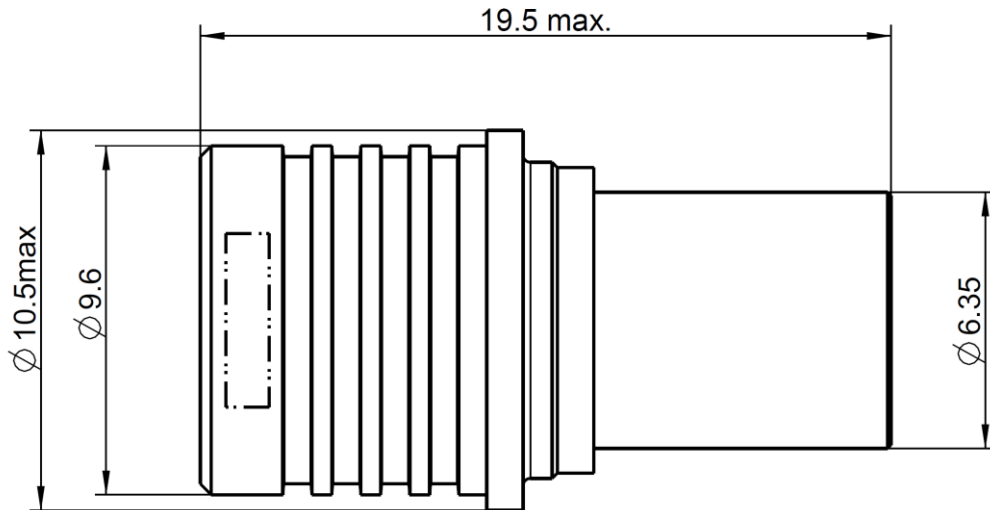




**THE DATASHEET OF
28S1ER001N5**





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

Interface

According to IEC 61169-50

Documents

N/A

Material and plating

Connector parts

Center contact	Brass
Outer contact	Spring bronze
Body	Brass
Dielectric	PTFE
Unlocking sleeve	Brass
Substrate	AL ₂ O ₃

Plating

AuroDur®, gold plated
White bronze(e.g. Optalloy®)
Flash white bronze over silver(e.g. Optargen®)
White bronze(e.g. Optalloy®)

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

RF_35/09.14/6.2

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 29 dB, DC to 1 GHz ≥ 21 dB, 1 to 2.5 GHz ≥ 17 dB, 2.5 to 12.4 GHz
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2.5 mΩ
Impulse Power (1μs, 1%)	100 Watts at 25°C environment temperature
Power handling	1 W at 25°C Derated linearity by 0.01 W/K

Mechanical data

Mating cycles	min. 100
Engagement force	25 N
Disengagement force	20 N
Retention force for interface	60 N min.

Environmental data

Temperature range	-40°C to +85°C
Storage temperature	-40°C to +85°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 5.6 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.

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



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

RF_35/09.14/6.2

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Schmidh.	15.10.07	Chr. Janßen	03.11.20	h00	20-1927	S. Huber-Siegl	03.11.20

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	
--------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	----------------------------------------------------------------------------------------------	--	---------------	--




Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 28S1ER001N5 on WIN SOURCE](#)

 [Rosenberger Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management