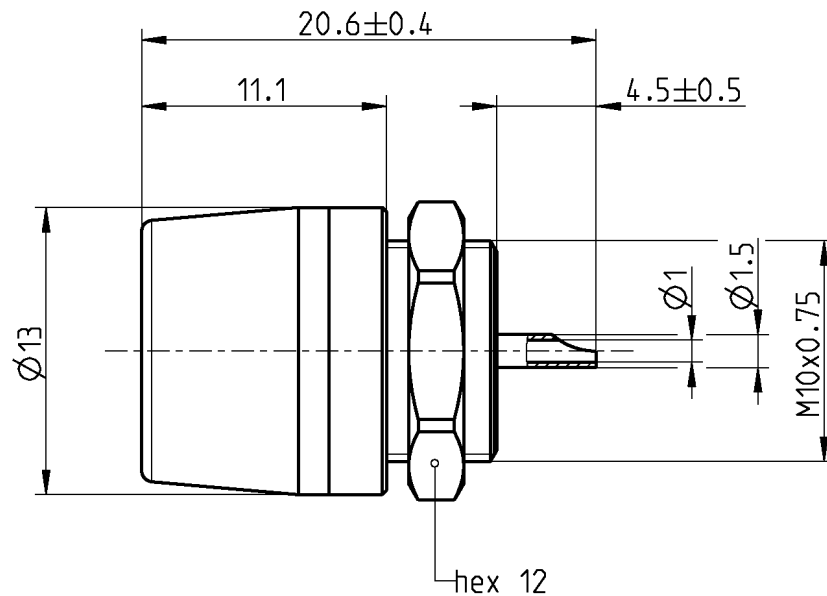




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

IEC 60169-2, DIN 45325

Documents

Panel piercing

B 21

Material and plating**Connector parts**

Center contact
Outer contact
Body
Dielectric

Material

Beryllium copper
Brass
Brass
PTFE

Plating

Silver, 3-6 µm
Nickel, 2.5-5 µm
Nickel, 2.5-5 µm

TECHNICAL DATA SHEET

Rosenberger®

IEC antenna
connectors
DIN 45325

BULKHEAD JACK

27K501-200A1

Electrical data

Impedance	75 Ω
Frequency	DC to 1.75 GHz
Return loss	≥ 16 dB, DC to 1.75 GHz
Insertion loss	≤ 0.1 x √ f [GHz] dB
Insulation resistance	≥ 10 ³ MΩ
Center contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 5 mΩ
RF-leakage	≥ 75 dB, DC to 470 MHz ≥ 65 dB, 470 to 1750 MHz

Mechanical data

Mating cycles	min. 500
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Environmental data

Temperature range	-25°C to +70°C
Climatic sequence	IEC 60169-1 16.2
Dry heat	IEC 60169-1 16.2.1
Damp heat, accelerated	IEC 60169-1 16.2.2 (One cycle)
Cold	IEC 60169-1 16.2.3
Damp heat, long term	IEC 60169-1 16.3

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	7 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
Rong Fang	29/04/05	Chr. Entsfellner	03/05/05	a00	04-0130	Rong Fang	29/04/05
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