



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**

	<b>Material</b>	<b>Plating</b>
Center contact	Beryllium copper	Silver, 3-6 µm
Outer contact	Brass	Nickel, 2.5-5 µm
Body	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	

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 <sup>3</sup> 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
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