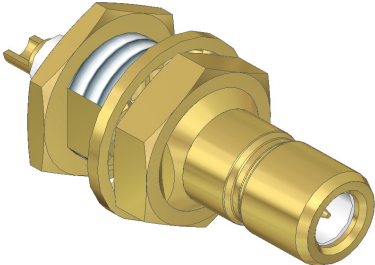


# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
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<b>Part Number: 91.1213.291</b>  <b>Description: SMB(m) - Bulkhead plug</b>		Revision: <b>a</b> Date: <b>10.11.2012</b> Signature: <b>Varga</b> Page: 1 of 2	
<b>Design according to:</b>		<b>IEC 169-10 (Type SMB)</b>	
<b>Electrical characteristics:</b>		colored value means: still under test target value	Picture
	Value	Unit	
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	
Operating frequency up to	<b>10</b>	[GHz]	
Return loss			
1 GHz	<b>33</b>	[dB]	
2 GHz	<b>26</b>	[dB]	
4 GHz	<b>24</b>	[dB]	
6 GHz	<b>24</b>	[dB]	
10 GHz	<b>18</b>	[dB]	
Insulation resistance	<b>10</b>	[GΩ]	
Contact resistance			
Centre contact	<b>5</b>	[mΩ]	
Outer contact	<b>2,5</b>	[mΩ]	
Contact current max. (DC)	<b>1,5</b>	[A]	
Operating voltage	<b>≥500</b>	[Veff]	
Proof voltage	<b>1000</b>	[Veff]	
<b>Mechanical characteristics:</b>		Value	Unit
Engagement force	<b>max. 25</b>	[N]	Remarks
Separating force	<b>min.8 - max.25</b>	[N]	
Mating cycles	<b>&gt; 500</b>		

Remarks  
 at 910MHz / at 1870 MHz

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	<b>Signature:</b> Varga
	<b>Page:</b> 2 of 2

Material & plating:	RoHS (2002/95/EC) conform	
	Material	Plating
Housing	<b>Brass</b>	<b>Cu + Ni + 0,8µm Au</b>
Centre contact	<b>Brass</b>	<b>Cu + Ni + 1,3µm Au</b>
Serrated washer	<b>Bronze</b>	<b>Cu + Ni + 0,2µm Au</b>
Nut	<b>Brass</b>	<b>Cu + Ni + 0,2µm Au</b>
Insulator	<b>PTFE</b>	-

Environmental influences:	Remarks	
	Operating temperature range	-55°C up to +125°C Standard
Climatic sequence: 1. Dry heat 2. Damp heat, cyclic, 1 cycle 3. Cold 4. Damp heat, cyclic, 6 cycles	IEC 60068-2-61 IEC 60068-2-2-Ba IEC 60068-2-30-Db IEC 60068-2-1-Aa IEC 60068-2-30-Db	

**Notes:**

Update historie			
Rev.	Date	Alteration	Signature
a	11.03.2013	revised	Pölz

Formblatt-Nr.: Form-TK-012b	
Rev.	01
Released	17.aug.07