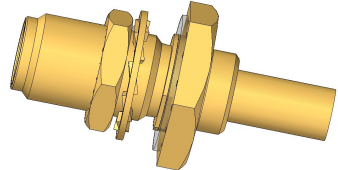


# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
 Obere Hauptstrasse 30  
 D-79843 Löffingen  
 Postfach 1141  
 D-79840 Löffingen

Tel: (+49) 7654 901-0  
 Fax: (+49) 7654 901-199  
 Net: www.imscs.com  
 E-mail: sales@imscs.com

<b>Part Number: 258.42.2412.221</b>		<b>Revision: a</b>	
<b>Description: SMA-Cable mount bulkhead jack</b>		<b>Date: 16.03.2009</b>	
		<b>Signature: Pölz</b>	
		<b>Page: 1 of 2</b>	
<b>Design according to:</b>		<b>IEC 169-15 (Type SMA)</b>	
<b>Electrical characteristics:</b>		colored value means: still under test target value	
	Value	Unit	Picture
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	
Operating frequency up to	<b>4</b>	[GHz]	
Return loss measured with	<b>RG 316</b>		
1 GHz	<b>&gt;27</b>	[dB]	
2 GHz	<b>&gt;24</b>	[dB]	
4 GHz	<b>&gt;20</b>	[dB]	
Insulation resistance	<b>≥10</b>	[GΩ]	
Contact resistance			
Centre contact	<b>≤ 3</b>	[mΩ]	
Outer contact	<b>≤ 2</b>	[mΩ]	
Contact current max. (DC)	<b>1,4</b>	[A]	
Operating voltage	<b>250</b>	[Veff]	
Proof voltage	<b>750</b>	[Veff]	
		Remarks	
<b>Mechanical characteristics:</b>		Value	Unit
Mating cycles	<b>&gt; 500</b>		Remarks

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

Material & plating:	RoHS (2002/95/EC) conform	
	Material	Plating
Housing	Brass	Cu + Ni + 0,8µm Au
Centre contact	Copper beryllium	Ni + 1,3µm Au
Other metal parts	Brass	Cu + Ni + 0,2µm Au
Insulator	PTFE	-
Fan disk	Bronze	Cu + Ni + 0,2µm Au
Gasket	Silikon	-

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	08.04.2013	revised	Pölz