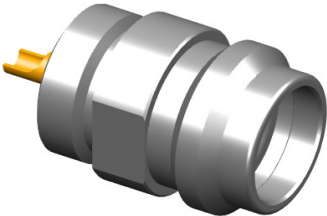


Product data sheet

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

Part Number: 4169.SN.2014.105 Description: Bulkhead jack		Revision: b Date: 13.07.2006 Signature: R.Schwär Page: 1 of 2	
Design according to:		sim. to IEC 169-16 (Type SN)	
Electrical characteristics		<small>colored value means: still under test target value</small>	
	Value	Unit	Picture
Impedance (MIL-C- 39012B)	50	[Ω]	
Operating frequency up to	...6	[GHz]	
Return loss			
1 GHz	36	[dB]	
2 GHz	30	[dB]	
4 GHz	26	[dB]	
6 GHz	24	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	>5	[G Ω]	
Contact resistance			
Centre contact	1,0	[m Ω]	
Outer contact	0,25	[m Ω]	
Contact current max. (DC)	10	[A]	
Operating voltage	500	[V]	
Proof voltage	1000	[V]	
			Remarks
			at 910MHz / at 1870 MHz
Mechanical characteristics			
	Value	Unit	Remarks
Engagement force		[N (typ.)]	
Separating force		[N (typ.)]	
Mating cycles	>200		

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	Page: 2 of 2

<u>Material & plating</u>	Material	Plating
Housing	brass	Cu + 2-4µm CuZnSn
Centre contact	copper beryllium	min. 2µm NiP + min. 0,3µm Au
Insulator	PTFE	-
	-	-
	-	-
	-	-

<u>Environmental influences</u>	Standard	Remarks
Working temperature range	-40° C to + 155°C	
Climatic sequence:	IEC 60068-2-61	
1. Dry heat	IEC 60068-2-2-Ba	
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	
3. Cold	IEC 60068-2-1-Aa	
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Db	

Notes

<u>Update historie</u>		
Rev.	date	Signature
a	06.09.2006	U. Mayer
b	14.12.2006	RSc