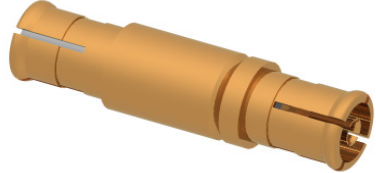


Product data sheet

IMS CONNECTOR SYSTEMS GmbH
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Part Number: 4726.SMPL.9910.003		Revision: b	
Description: SMPL Adapter (jack-jack)		Date: 16.11.2009	
		Signature: R.Schwär	
		Page: 1 of 2	
Design according to:		SMP MIL-STD-348A Long-wipe SMP Spec. 17S000-000	
Electrical characteristics		colored value means: still under test target value	
		Value	Unit
Impedance (MIL-C- 39012B)		50	[Ω]
Operating frequency up to		...18	[GHz]
Return loss			
1 GHz		29	[dB]
2 GHz		27	[dB]
4 GHz		26	[dB]
6 GHz		25	[dB]
10 GHz		24	[dB]
18 GHz		23	[dB]
26 GHz		-	[dB]
3rd. Order PIM product 2x43dBm		/	[dBc]
Insulation resistance		5	[G Ω]
Contact resistance			
Centre contact		6,0	[m Ω]
Outer contact		2	[m Ω]
Contact current max. (DC)		1,2	[A]
Operating voltage		335	[V]
Proof voltage		500	[V]
			Picture
			
			Remarks
			at 910MHz / at 1870 MHz
Mechanical characteristics		Value	Unit
Engagement force	"smooth bore"	max. 9	[N]
	"limited detent"	max. 45	[N]
	"full detent"	max. 68	[N]
Separating force	"smooth bore"	min. 2,2	[N]
	"limited detent"	min. 9	[N]
	"full detent"	min. 22	[N]
Mating cycles	"smooth bore"	>1000	
	"limited detent"	> 500	
	"full detent"	> 100	

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<u>Material & plating</u>	Material	Plating
Spring basket	copper beryllium	2µm Ni-P + 0,15µm Au
Centre contact	copper beryllium	2µm Ni-P + 0,15µm Au
Insulator	PTFE	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-65°C up to +155°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

<u>Update historie</u>		
Rev.	date	Signature
a	24.11.2009	R.Schwär
b	04.07.2011	R.Schwär