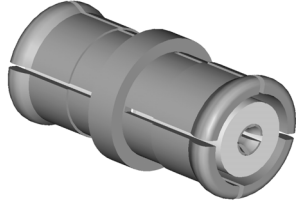


Product data sheet

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Part Number: 4048.SMP.9910.001		Revision: a	
Description: SMP-Adapter (jack-jack)		Date: 10.01.2006	
		Signature: U. Mayer	
		Page: 1 of 2	
Design according to:		MIL-STD-348A	
Electrical characteristics		colored value means: still under test target value	
	Value	Unit	Picture
Impedance (MIL-C- 39012B)	50	[Ω]	
Operating frequency up to	10	[GHz]	
Return loss			
1 GHz	31	[dB]	
2 GHz	29	[dB]	
4 GHz	23	[dB]	
6 GHz	21	[dB]	
10 GHz	18	[dB]	
18 GHz		[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	5	[GΩ]	
Contact resistance			
Centre contact	<6	[mΩ]	
Outer contact	<2	[mΩ]	
Contact current max. (DC)	1,2	[A]	
Operating voltage	335	[V]	
Proof voltage	500	[V]	
Mechanical characteristics		Value	Unit
Engagement force	"smooth bore"	≤ 9,0	[N]
	"limited detend"	≤ 45	[N]
Separating force	"smooth bore"	≥ 2,2	[N]
	"limited detend"	≥ 9,0	[N]
Mating cycles	"smooth bore"	>1000	
	"limited detend"	> 500	

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<u>Material & plating</u>	Material	Plating
Housing	copper beryllium	Cu + Ni + 0,8µm Au
Centre contact	copper beryllium	Cu + Ni + 1,3µm Au
Other metal parts	-	-
Insulator	PTFE	-
Crimp ferrule	-	-
Gasket	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-65°C up to +165°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	20.04.2006	um