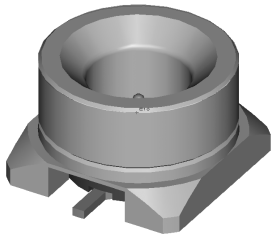


Product data sheet

IMS CONNECTOR SYSTEMS GmbH
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Part Number: 3768.SMP.1010.001 Description: SMP-Mount plug		Revision: - Date: 27.01.04 Signature: U. Mayer Page: 1 of 2	
Design according to:		MIL-STD-348A "smooth bore"	
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	38	[dB]	
2 GHz	34	[dB]	
4 GHz	31	[dB]	
6 GHz	25	[dB]	
10 GHz	20	[dB]	
18 GHz		[dB]	
3rd. Order PIM product	/	[dBc]	
2x43dBm			
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	Remarks
Engagement force	≤ 9,0	[N]	"smooth bore"
Separating force	≥ 2,2	[N]	"smooth bore"
Mating cycles	>1000		"smooth bore"

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

<u>Environmental influences</u>	Standard	Remarks
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