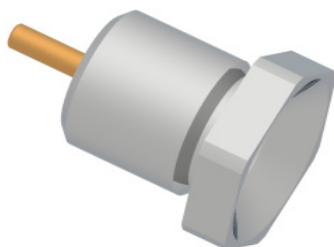


Product data sheet

IMS CONNECTOR SYSTEMS GmbH
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Part Number: 5040.PSMP.1014.195		Revision: a	
Description: Bulkhead plug		Date: 15.10.2012	
		Signature: T.Stiesch	
		Page: 1 of 2	
Design according to:		PSMP-Standard	
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	37	[dB]	
2 GHz	36	[dB]	
4 GHz	35	[dB]	
6 GHz	32	[dB]	
10 GHz	25	[dB]	
Insertion loss	$<0,03 \times \sqrt{f (GHz)}$	[dB]	
Insulation resistance	5	[GΩ]	
Contact resistance			Remarks
Centre contact	3,0	[mΩ]	@2.2 GHz
Outer contact	2,0	[mΩ]	
Power handling	≤ 200	[W]	
Operating voltage	480	[V]	
Proof voltage	1000	[V]	
PIM	≥ 160	dBc	
Mechanical characteristics		Value	
	Value	Unit	Remarks
Engagement force	45	[N]	
Separating force	15	[N]	
Mating cycles	≥ 100		
Center contact captivation	≥ 7	[N]	
Tightening Torque	130	[Ncm]	

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<u>Material & plating</u>	Material	Plating
Housing	brass	3-5µm Ag + flash CuZnSn
Centre contact	brass	Ni-P + 0,15µm Au
Other metal parts	-	-
Insulator	PTFE	-
Gasket	-	-
	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-65°C 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	Alteration	Signature
a	23.01.2013	Revised	T. Stiesch