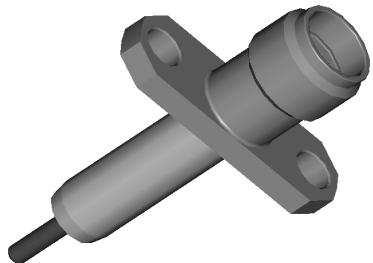


Product data sheet

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Part Number: 3698.42.2017.191 Description: SMA-Bulkhead jack		Revision: - Date: 03.07.03 Signature: um Page: 1 of 2	
Design according to:		IEC 169-15 (Type SMA)	
Electrical characteristics		colored value means: still under test target value	
	Value	Unit	Picture
Impedance (MIL-C- 39012B)	50	[Ω]	
Operating frequency up to	18	[GHz]	
Return loss			
1 GHz	37	[dB]	
2 GHz	31	[dB]	
4 GHz	26	[dB]	
6 GHz	22	[dB]	
10 GHz	20	[dB]	
18 GHz	16	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	5	[GΩ]	
Contact resistance			
Centre contact	3,0	[mΩ]	
Outer contact	2	[mΩ]	
Contact current max. (DC)	2	[A]	
Operating voltage	500	[V]	
Proof voltage	1000	[V]	
Mechanical characteristics			
	Value	Unit	Remarks
Engagement force		[N]	
Separating force		[N]	
Mating cycles	>500		

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<u>Material & plating</u>	Material	Plating
Housing	brass	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>	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