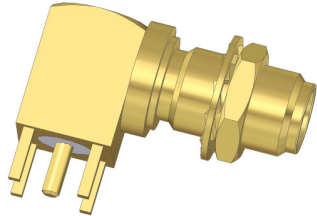


Product data sheet

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Part Number: 049.42.2522.201		Revision: a		
Description: SMA(f) - angle bulkhead jack		Date: 21.10.2008		
		Signature: R. Schwär		
		Page: 1 of 2		
Design according to:		IEC 169-15 (Type SMA)		
Electrical characteristics:	colored value means: still under test target value		Picture	
		Value		Unit
	Impedance (MIL-C- 39012B)	50	[Ω]	
	Operating frequency up to	10	[GHz]	
	Return loss			
	1 GHz	≥36	[dB]	
	2 GHz	≥33	[dB]	
	4 GHz	≥33	[dB]	
	6 GHz	≥30	[dB]	
	10 GHz	≥18	[dB]	
Insulation resistance	≥10	[GΩ]		
Contact resistance				
Centre contact	<3	[mΩ]		
Outer contact	<2	[mΩ]		
Contact current max. (DC)	2	[A]		
Operating voltage	≤335	[Veff]		
Proof voltage	1000	[Veff]		
		Remarks		
Mechanical characteristics:		Value	Unit	
Mating cycles	> 500		Remarks	

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	Page: 2 of 2

<u>Material & plating:</u>	RoHS (2002/95/EC and 2011/65) conform	
	Material	Plating
SMA-connecting part	Brass	Cu + Ni + 0,8µm Au
PCB-connecting piece	Brass	Cu + Ni + 1,3µm Au
Centre contact	Copper beryllium	Ni + 1,3µm Au
Nut	Brass	Cu + Ni + 0,2µm Au
Washer	Bronze	Cu + Ni + 0,2µm Au
Insulator	PTFE	-

<u>Environmental influences:</u>	Remarks	
	Operating temperature range	-40°C up to +85°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	12.03.2013	revised	Pözl

Formblatt-Nr.: Form-TK-012b	
Rev.	01
Released	17.08.2007