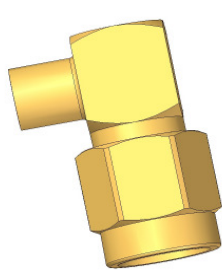


Product data sheet

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Part Number: 370.42.1820.071		Revision: -		
Description: SMA-Cable mount angle plug		Date: 19.05.2011		
		Signature: Pölz N.		
		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	10	[GHz]		
Return loss measured with cable typ:	UT 141	Belden 1673A		
1 GHz	35	37		-
2 GHz	30	30		[dB]
4 GHz	21	23		[dB]
6 GHz	17	19		[dB]
10 GHz	-	13		[dB]
3rd. Order PIM product 2x43dBm	142	[dBc]		
Insulation resistance	≥10	[GΩ]		
Contact resistance				
Centre contact	≤ 3	[mΩ]		
Outer contact	≤ 2	[mΩ]		
Contact current max. (DC)	2	[A]		
Operating voltage	<500	[V]		
Proof voltage	1000	[V]		
Mechanical characteristics:				
	Value	Unit	Remarks	
Recommended torque coupling nut	0,45	[Nm]		
Retention force coupling nut	>270	[N]		
Mating cycles	> 500			

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<u>Material & plating:</u>	RoHS (2002/95/EC) conform	
	Material	Plating
Housing	Brass	Cu + Ni + 0,2µm Au
Centre contact	Brass	Cu + Ni + 1,3µm Au
Coupling nut	Brass	Cu + Ni + 0,2µm Au
Spring ring	Stainless steel	passivated
Insulator	PTFE	-
Gasket	Silikon rubber	-

<u>Environmental influences:</u>		Remarks
	Operating temperature range	-55°C up to +125°C Standard
Climatic sequence:	IEC 60068-2-61	
1. Dry heat	IEC 60068-2-2-Ba	
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	
3. Cold	IEC 60068-2-1-Aa	
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Db	
Solder profile:	-	

Notes:

<u>Update historie</u>			
Rev.	Date	Alteration	Signature