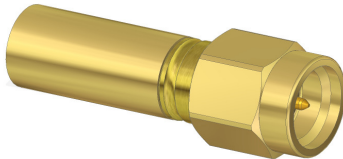


Product data sheet

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Part Number: 101.42.1410.081 Description: SMA cable plug		Revision: - Date: 08.04.2013 Signature: Pölz N. Page: 1 of 2	
<u>Design according to:</u>		IEC 169-15 (Type SMA)	
<u>Electrical characteristics:</u>		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 measured with cable typ:	RG-58	-	
1 GHz	>28	[dB]	
2 GHz	>25	[dB]	
4 GHz	>19	[dB]	
6 GHz	>19	[dB]	
10 GHz	>19	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	≥10	[GΩ]	
Contact resistance			Remarks
Centre contact	≤ 3	[mΩ]	at 910MHz / at 1870 MHz
Outer contact	≤ 2	[mΩ]	
Contact current max. (DC)	2	[A]	
Operating voltage	335	[Vpeak]	
Proof voltage	750	[Vpeak]	
<u>Mechanical characteristics:</u>		Value	Unit
Recommended torque coupling nut	0,45	[Nm]	Remarks
Retention force coupling nut	> 270	[N]	
Mating cycles	> 500		

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	Page: 2 of 2

Material & plating:	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	-

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

Notes:

Update historie			
Rev.	Date	Alteration	Signature