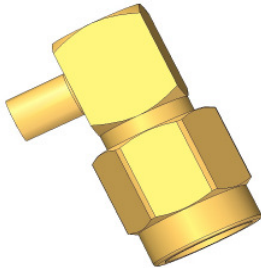


Product data sheet

IMS CONNECTOR SYSTEMS GmbH
 Obere Hauptstrasse 30
 D-79843 Löffingen
 Postfach 1141
 D-79840 Löffingen

Tel (+49) 7654 901-0
 Fax (+49) 7654 901-199
 Net: www.imscs.com
 E-mail: sales@imscs.com

Part Number: 370.42.1820.061 Description: SMA-Cable mount angle plug		Revision: - Date: 19.05.2011 Signature: Pözl N. 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	6	[GHz]	
Return loss measured with cable typ:	UT 85	-	
1 GHz	35	[dB]	
2 GHz	30	[dB]	
4 GHz	20	[dB]	
6 GHz	16	[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)	1,2	[A]	
Operating voltage	<500	[V]	
Proof voltage	1000	[V]	
Mechanical characteristics:		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

<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	
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	
Solder profile:	-	

Notes:

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