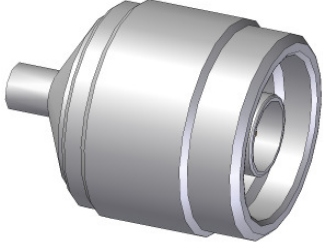


Product data sheet

IMS CONNECTOR SYSTEMS GmbH
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Part Number: 218.62.1810.079 Description: N-Cable mount plug		Revision: - Date: 18.05.2011 Signature: Pölz N. Page: 1 of 2	
Design according to:		IEC 169-16 (Type N)	
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 measured with cable typ:	UT 141	-	
1 GHz	35	[dB]	
2 GHz	32	[dB]	
4 GHz	27	[dB]	
6 GHz	25	[dB]	
10 GHz	22	[dB]	
18 GHz	16	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	≥5	[GΩ]	at 910MHz / at 1870 MHz
Contact resistance			
Centre contact	<1	[mΩ]	
Outer contact	<0,25	[mΩ]	
Contact current max. (DC)	4	[A]	
Operating voltage	<500	[V]	
Proof voltage	1000	[V]	
Mechanical characteristics:			
	Value	Unit	Remarks
Recommended torque	0,7-1,1	[Nm]	
Retention force coupling nut	>450	[N]	
Mating cycles	> 500		

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<u>Material & plating:</u>	RoHS (2002/95/EC) conform	
	Material	Plating
Housing	Brass	Cu + 3-5µm Ni
Centre contact	Brass	Cu + 1,3µm Au
Coupling nut	Brass	Cu + 3-5µm Ni
Retention ring	Bronze	Cu + 3-5µm Ni
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