

# Product data sheet

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<b>Part Number: 31.1510.001</b>  <b>Description: p.c.b. mount plug</b>		Revision: - Date: <b>18.09.2008</b> Signature: <b>U. Mayer</b>  Page: 1 of 2	
<b>Design according to:</b>		<b>IEC 169-19</b> <b>(Type SSMB/Nano)</b>	
<b>Electrical characteristics:</b>		colored value means: still under test target value	
	Value	Unit	Picture
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]	no picture
Operating frequency up to	<b>10</b>	[GHz]	
Return loss measured with cable typ:	-	-	
1 GHz	<b>30</b>	[dB]	
2 GHz	<b>26</b>	[dB]	
4 GHz	<b>21</b>	[dB]	
6 GHz	<b>18</b>	[dB]	
10 GHz	<b>16</b>	[dB]	
18 GHz	-	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	<b>5</b>	[GΩ]	
Contact resistance			
Centre contact	<b>&lt;5</b>	[mΩ]	
Outer contact	<b>&lt;2,5</b>	[mΩ]	
Contact current max. (DC)	<b>1</b>	[A]	
Operating voltage	<b>250</b>	[V]	
Proof voltage	<b>500</b>	[V]	
<b>Mechanical characteristics:</b>		Value	Unit
Engagement force	<b>max. 27</b>	[N]	Remarks
Separating force	<b>min. 4,5</b>	[N]	
Mating cycles	<b>&gt;500</b>		

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Material & plating:	RoHS (2002/95/EC) conform	
	Material	Plating
Outer contact	Brass	Cu + Ni + 0,8µm Au
Centre contact	Brass	Cu + Ni + 1,3µm Au
Crimp ferrule	-	-
Other metal parts	-	-
Insulator	PTFE	-
Gasket	-	-

Environmental influences:		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:**

Update historie			
Rev.	Date	Alteration	Signature