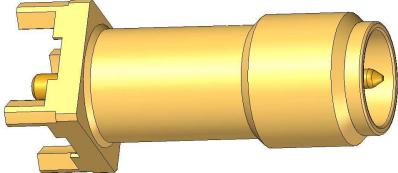


# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
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<b>Part Number:</b> 4423.42.1510.003		<b>Revision:</b> -
<b>Description:</b> p.c.b. mount plug reverse pol.		<b>Date:</b> 10.12.2007 <b>Signature:</b> Pölz N. <b>Page:</b> 1 of 2
<b>Design according to:</b>	<b>SMA reverse polarity</b>	<b>No IEC Standard</b>
<b>Electrical characteristics:</b>	colored value means: still under test target value	
	Value	Unit
Impedance ( MIL-C- 39012B)	50	[Ω]
Operating frequency up to	10	[GHz]
Return loss		
1 GHz	35	[dB]
2 GHz	34	[dB]
4 GHz	32	[dB]
6 GHz	28	[dB]
10 GHz	15	[dB]
3rd. Order PIM product 2x43dBm	/	[dBc]
Insulation resistance	10	[GΩ]
Contact resistance		
Centre contact	4	[mΩ]
Outer contact	2	[mΩ]
Contact current max. (DC)	2	[A]
Operating voltage	500	[V]
Proof voltage	1000	[V]
		
Remarks		
at 910MHz / at 1870 MHz		
<b>Mechanical characteristics:</b>		
	Value	Unit
Engagement force	-	[N]
Separating force	-	[N]
Mating cycles	> 500	

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	Page: 2 of 2

<u>Material &amp; plating:</u>	RoHS (2002/95/EC) conform	
	Material	Plating
Outer contact	<b>Brass</b>	<b>Ni-P + 0,15µm Au</b>
Centre contact	<b>Brass</b>	<b>Ni + Ni-P + 0,15µm Au</b>
Insulator	<b>PTFE</b>	-
	-	-
	-	-
	-	-

<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	

**Notes:**

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