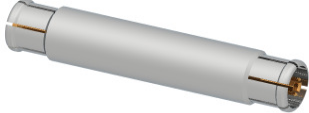


# Product data sheet

IMS CONNECTOR SYSTEMS GmbH  
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<b>Part Number: 5038.PSMP.9910.005</b>		Revision: <b>b</b>
<b>Description: PSMP- Adapter (jack - jack)</b>		Date: <b>16.10.2012</b>
		Signature: <b>R.Schwär</b>
		Page: 1 of 2
<b>Design according to:</b>	<b>Power-SMP Spec. 119K000-000</b>	
<b>Electrical characteristics:</b>	colored value means: still under test target value	
	Value	Unit
Impedance ( MIL-C- 39012B)	<b>50</b>	[Ω]
Operating frequency up to	<b>10</b>	[GHz]
Return loss measured with cable typ:	-	-
1 GHz	<b>40</b>	[dB]
2 GHz	<b>30</b>	[dB]
4 GHz	<b>27</b>	[dB]
6 GHz	<b>27</b>	[dB]
10 GHz	<b>24</b>	[dB]
18 GHz	-	[dB]
26Ghz	-	[dB]
3rd. Order PIM product 2x43dBm	<b>160</b>	[dBc]
Insulation resistance	<b>≥ 5</b>	[GΩ]
Insertion loss	<b>≤ 0.05 x √ f (GHz)</b>	[dB]
Contact resistance		
Centre contact	<b>≤ 3</b>	[mΩ]
Outer contact	<b>≤ 2</b>	[mΩ]
Contact current max. (DC)	<b>max. 1,2</b>	[A]
Operating voltage	<b>480</b>	[V]
Proof voltage	<b>1000</b>	[V]
Power handling (at 20°C, sea level, VSWR 1.0)	<b>≤ 200</b>	[W]
		Picture
		
		Remarks
		at 910MHz / at 1870 MHz
		at 2,2 GHz
<b>Mechanical characteristics:</b>	Value	Unit
Engagement force "smooth bore"	<b>≤ 10</b>	[N]
"limited detent"	<b>≤ 45</b>	[N]
"full detent"	<b>≤ 68</b>	[N]
Disengagement force "smooth bore"	<b>≥ 2,2</b>	[N]
"limited detent"	<b>≥ 15</b>	[N]
"full detent"	<b>≥ 25</b>	[N]
Mating cycles mating part is "smooth bore"	<b>≥ 1000</b>	
mating part is "limited detent"	<b>≥ 100</b>	
mating part is "full detent"	<b>≥ 100</b>	
Center contact captivation	<b>≥ 7</b>	[N]
Permissible angular misalignment	<b>4°</b>	

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	<b>Page:</b> 2 of 2

<b>Material &amp; plating:</b>	<b>RoHS (2002/95/EC) conform</b>	
	Material	Plating
Outer contact (Spring basket)	<b>Copper beryllium</b>	<b>3-5µm Ag + flash CuZnSn</b>
Centre contact	<b>Copper beryllium</b>	<b>Ni-P + 0,15µm Au</b>
Insulator	<b>PTFE</b>	-
	-	-

<b>Environmental influences:</b>		Remarks
Operating temperature range	-65°C up to +165°C Standard	
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:**

<b>Update historie</b>			
Rev.	Date	Alteration	Signature
a	08.01.2013	Revised	R.Schwär
b	18.03.2013	Revised	R.Schwär