

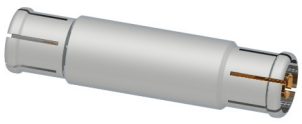
# Product data sheet

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<b>Part Number:</b> 5023.PSMP.9910.005	<b>Revision:</b> a
<b>Description:</b> PSMP- Adapter (jack - jack)	<b>Date:</b> 08.01.2013
	<b>Signature:</b> R.Schwär
	<b>Page:</b> 1 of 2

<b>Design according to:</b>	<b>Power-SMP Spec. 119K000-000</b>
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<b>Electrical characteristics:</b>	colored value means: still under test target value		Picture
	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>31</b>	[dB]	
4 GHz	<b>27</b>	[dB]	
6 GHz	<b>24</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>≤ 150</b>	[W]	at 2,2 GHz

<b>Mechanical characteristics:</b>		Value	Unit	Remarks
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>		

