

**Product Data Sheet / Produkt Datenblatt**

<b>Part Number</b>	<b>5201.VDZ.8910.005</b>	<b>Teilenummer</b>
<b>Description</b>	<b>4.3/10(f)-7/16(m)-Adapter 4.3/10(f)-7/16(m)-Adapter</b>	<b>Beschreibung</b>
		
<b>Design according to</b>	<b>IEC-169-54 / IEC-169-4</b>	<b>Ausführung nach</b>

**Electrical characteristics / Elektrische Eigenschaften**

		colored value means: under validation			
		Value/Wert	Unit/Einheit		
Impedance (MIL-C-39012B)		50	[Ω]		Impedanz (MIL-C-39012B)
Operating frequency up to		...7,5	[GHz]		Betriebsfrequenz bis zu
Return loss	measured with cable typ:				gemessen mit Kabel Typ: Rückflusdämpfung
	1 GHz	>40	[dB]		
	2 GHz	35	[dB]		
	4 GHz	32	[dB]		
	6 GHz	26	[dB]		
	7,5 GHz	26	[dB]		
3rd. Order PIM product 2x43dBm	at 910MHz/at 1870MHz	168	[dBc]		PIM Produkt 3. Ordnung
Insulation resistance		≥5GΩ	[GΩ]		Isolationswiderstand
Contact resistance					Kontakt-Widerstand
Centre contact		≤1mΩ 4.3-10; ≤0,4mΩ 7/16	[mΩ]		Innenkontakt
Outer contact		≤1mΩ 4.3-10; ≤1,5mΩ 7/16	[mΩ]		Außenkontakt
Contact current max. (DC)		15	[A] DC		Kontakt-Strombelastbarkeit max (DC)
Operating voltage		500	[V] DC		Betriebsspannung
Proof voltage		2500	[V] eff		Prüfspannung

**Mechanical characteristics / Mechanische Eigenschaften**

		Value/ Wert	Unit/Einheit		
Mating cycles		≥100 4.3-10; min.500 7/16			Steckzyklen
Center contact captivation: axial		-	[N]		Innenkontakt Aritierung: axial
radial		-	[Ncm]		radial
Center contact retention force		1,5 - 20	[N]		Innenkontakt Haltekraft
Recommended torque		5 4.3-10; 25 -30 7/16	[Nm]		Empfohlenes Drehmoment

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**Material & plating / Material & Oberfläche**

RoHS (2002/95/EC) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Copper beryllium	Cu + 3-5µm Ag	Außenkontakt
Centre contact 4.3/10	Copper beryllium	Cu + 5-8µm Ag	Innenkontakt 4.3/10
Centre contact 7/16	Brass	Cu + 5-8µm Ag	Innenkontakt 7/16
Other metal parts	Brass	Cu min. 0,5µm +Ag min. 2µm + CuZnSn min. 0,5µm	Sonstige Metallteile
Spring ring	Stainless steel	-	Federring
Insulator	PTFE	-	Isolator
Gasket	Silicone/Silikon	-	Dichtung

**Environmental influences / Umwelteinflüsse**

Operating temperature range	-55°C up to +90°C	Betriebstemperaturbereich
	Standard	
Climatic sequence:	IEC 60068-2-61	Klimafolge:
1. Dry heat	IEC 60068-2-2-Ba	1. Trockene Hitze
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	2. Feuchte Wärme, zyklisch, 1 Zyklus
3. Cold	IEC 60068-2-1-Aa	3. Kälte
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Dd	4. Feuchte Wärme, zyklisch, 6 Zyklen
Solder profile		Lötprofil

**Notes / Aufzeichnungen**

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

**Update History**

Rev.	Date	Signature	Alteration	Approved
a	27.02.2015	R.Schwär	Revised	
				Formblatt-Nr.: Form-TK-013ab
				Rev. 04
				Released 17. Apr 14