

Product Data Sheet / Produkt Datenblatt

Part Number	7614.VDZ.2018.209	Teilenummer
Description	4.3/10 Flange mount jack	Beschreibung
		
Design according to	IEC 61169-54	Ausführung nach

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		6	[GHz]	Betriebsfrequenz bis zu
Return loss				Rückflusdämpfung
	1 GHz	> 35	[dB]	
	2 GHz	> 33	[dB]	
	4 GHz	> 30	[dB]	
	6 GHz	> 26	[dB]	
3rd. Order PIM product 2x46 dBm	400~4000 MHz	≥ 160	[dBc]	PIM Produkt 3. Ordnung 2x46 dBm
3rd. Order PIM product 2x43 dBm	400~4000 MHz	≥ 165	[dBc]	PIM Produkt 3. Ordnung 2x43 dBm
Insulation resistance		> 5	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤ 1,0	[mΩ]	Innenkontakt
Outer contact		≤ 1,0	[mΩ]	Außenkontakt
Contact current max. (DC)		4	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≥ 500	[VRMS]	Betriebsspannung
Proof voltage		1000	[VRMS]	Prüfspannung
Power handling (at 90° C, altitude 3000m)	2GHz	500	[W]	

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Mating cycles		≥ 100		Steckzyklen
Centre contact captivation: axial		> 30	[N]	Innenleiter Arretierung: axial
Centre contact captivation: radial		> 30	[Ncm]	Innenleiter Arretierung: radial
Centre contact retention force		1,5 - 20	[N]	Haltekraft Innenleiter
Outer contact retention force		4 - 35	[N]	Haltekraft Aussenleiter
Recommended coupling torque		5	[Nm]	Empfohlenes Anzugsmoment

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Material & plating / Material & Oberfläche

	RoHS (2002/95/EC) conform		
	Material/Material	Plating/Oberflächen	
Housing	Brass	1~3µm Cu +3~5µm Sn/Ni	Gehäuse
Centre contact	Bronze	Cu +5~8µm Ag	Innenkontakt
Spring basket	Bronze	3~5µm Cu + 5~8µm Ag	Federkorb
Insulator	PTFE	-	Isolator
Gasket	Silicone	-	
Cap	PVC		

Environmental influences / Umwelteinflüsse

Operating temperature range	-55°C up to +125°C Standard	Betriebstemperaturbereich
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-Db	4. Feuchte Wärme, zyklisch, 6 Zyklen
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64	
Shock	IEC 61169-1 9.3.14	
Lengthwise and across sealed	IEC 60529, IP68:	Längs und querdicht
Degree of protection (mated pair)	Air pressure 2bar, leakage rate<1cm ³ /min IEC 60529, IP68 1h / 25m	Schutzart (gesteckte Paarung)

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
A	04.08.2019	Dony	mod. Part number
			Formblatt-Nr.: Form-TK-013b
			Rev. 04
			Released 17/04/14