

Product Data Sheet / Produkt Datenblatt

Part Number	7442.VDZ.2018.205	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		10	[GHz]	Betriebsfrequenz bis zu
Return loss				Rückflusdämpfung
	1 GHz	> 35	[dB]	
	2 GHz	> 35	[dB]	
	4 GHz	> 30	[dB]	
	6 GHz	> 28	[dB]	
3rd. Order PIM product 2x43 dBm	at 1870 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		≤ 0,25	[mΩ]	Außenkontakt
Contact current max. (DC)		4	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≥ 500	[VRMS]	Betriebsspannung
Proof voltage		1000	[VRMS]	Prüfspannung

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		> 5	[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	min. 2 CuSnZn	Gehäuse
Centre contact	Copper beryllium	min. 3 µm Cu + 3~6 µm Ag	Innenkontakt
Spring basket	Copper beryllium	min. 3 µm Cu + 3~6 µm Ag	Federkorb
Insulator	PTFE	-	Isolator
Gasket	Silicone	-	

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-Dd	4. Feuchte Wärme, zyklisch, 6 Zyklen
Lengthwise and across sealed	IEC 60529, IP68: Air pressure 2bar, leakage rate<1cm ³ /min	Längs und querdicht
Degree of protection (mated pair)	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	03.08.16	Dony	add IP68 testing

Formblatt-Nr.: Form-TK-013b

Rev.	04
Released	17/04/14