

Product Data Sheet / Produkt Datenblatt

Part Number

7457.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	> 30	[dB]	
	4 GHz	> 30	[dB]	
	6 GHz	> 28	[dB]	
3rd. Order PIM product 2x43 dBm	710 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	2~4µm Cu + 2~4µm CuZnSn	Gehäuse
Centre contact	Bronze	Cu + 3~6 µm Ag	Innenkontakt
Spring basket	Bronze	3~5µm Cu + 5~8 µm Ag	Federkorb
Insulator	PTFE	-	Isolator
Gasket	Silicone	-	
Cap	PE		

Environmental influences / Umwelteinflüsse

Operating temperature range	-55°C up to +125°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-Db	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	03.01.2017	Dony	update material		
B	03.22.2019	Dony	mod. RL		
				Formblatt-Nr.: Form-TK-013b	
				Rev.	04
				Released	17/04/14