

Product Data Sheet / Produkt Datenblatt

Part Number	5321.PSMP.1510.003	Teilenummer
Description	PSMP(m) - Anbaustecker (Limited detent) PSMP(m) - PCB mount plug (Limited detent)	Beschreibung
		
Design according to	Long-wipe SMP Spec. 17S000-000	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	30	[dB]	
(Return loss depends primary on PCB material + layout)	2 GHz	30	[dB]	(Rückflusdämpfung hängt primar von Leiterplattenmaterial und Layout ab.)
	4 GHz	30	[dB]	
	6 GHz	25	[dB]	
	10 GHz	15	[dB]	
Insertion loss		$\leq 0.03 \times \sqrt{f(\text{GHz})}$	[dB]	Einfügedämpfung
3rd. Order PIM product 2x43dBm	at 1870MHz(static)	160	[dBc]	PIM Produkt 3. Ordnung
Insulation resistance		≥ 5	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤ 3	[mΩ]	Innenkontakt
Outer contact		≤ 2	[mΩ]	Außenkontakt
Contact current max.		1,2	[A] DC	max. Kontakt-Strombelastbarkeit
Operating voltage		480	[V] DC	Betriebsspannung
Proof voltage		1000	[V] eff	Prüfspannung
Power handling	at 2,2 GHz	≤ 200	[W]	Leistungsbelastbarkeit
(at 20°C, sea level, VSWR 1.0)				(bei 20°C, Meeresspiegel, VSWR 1.0)

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Engagement force		max. 45	[N]	Steckkraft
Disengagement force		min. 15	[N]	Ziehkraft
Mating cycles		≥ 100		Steckzyklen
Center contact captivation		≥ 7	[N]	Innenleiter Haltekraft

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Material & plating / Material & Oberfläche

RoHS (2002/95/EC) conform			
	Material/Material	Plating/Oberflächen	
Housing	Brass	min. 0,5µm Cu+ min. 2µm NiP + min 0,2 Au	Außenkontakt
Centre contact	Brass	min. 0,5µm Cu+ min. 2µm NiP + min 0,2 Au	Innenkontakt
Insulator	PEEK	-	Isolator

Environmental influences / Umwelteinflüsse

Operating temperature range	-65°C up to +165°C	Betriebstemperaturbereich
	Standard	
Climatic sequence:	IEC 60068-2-61	Klimasequenz:
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
				Formblatt-Nr.: Form-TK-013ab
				Rev. 04
				Released 2014.04.17