

Product Data Sheet / Produkt Datenblatt

Part Number	5234.SMP.1010.003	Teilenummer
Description	SMP (m) - PCB mount plug	Beschreibung
		
Design according to	MIL-STD-348A "limited detent"	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
(Return loss depends primary on p.c.b material + layout)	1 GHz	> 35	[dB]	(Rückflusdämpfung hängt primar von Leiterplattenmaterial und Layout ab.)
	2 GHz	> 33	[dB]	
	4 GHz	> 29	[dB]	
	6 GHz	> 23	[dB]	
	10 GHz	> 18	[dB]	
Insulation resistance		> 5	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤ 6	[mΩ]	Innenkontakt
Outer contact		≤ 2	[mΩ]	Außenkontakt
Contact current max. (DC)		1,2	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≥ 335	[V] DC	Betriebsspannung
Proof voltage		500	[V] eff	Prüfspannung

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Engagment force "limited detent"		max. 4,5	[N]	Steckkraft "limited detent"
Separating force "limited detent"		min. 9,0	[N]	Ziehkraft "limited detent"
Mating cycles "limited detent"		> 500		Steckzyklen "limited detent"

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Material & plating / Material & Oberfläche

General: No magnetic nickel allowed in any of the materials.	RoHS (2002/95/EC) conform		Allgemein: Kein magnetisch Nickel in den verwendeten material erlaubt.
	Material/Material	Plating/Oberflächen	
Housing	Brass	min. 0,5µm Cu + min. 2µm Ni-P + min. 0,2µm hard Au	Gehäuse
Centre contact	Brass	min. 0,5µm Cu + min. 2µm Ni-P + min. 0,2µm hard Au	Innenkontakt
Insulator	PEEK	-	Isolator

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-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
			Formblatt-Nr.: Form-TK-013b
			Rev. 04
			Released 17.04.14