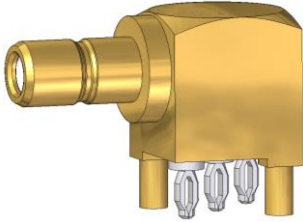


Product Data Sheet / Produkt Datenblatt

Part Number	5197.11.1520.003	Teilenummer
Description	SMB (m) - PCB mount angle plug	Beschreibung
		
Design according to	IEC 60169-10 (Type SMB)	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
(Return loss depends primary on p.c.b material + layout)	1 GHz	> 34	[dB]	(Rückflusdämpfung hängt primar von Leiterplattenmaterial und Layout ab.)
	2 GHz	> 33	[dB]	
	4 GHz	> 28	[dB]	
	6 GHz	> 27	[dB]	
Insulation resistance		> 10	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤ 5	[mΩ]	Innenkontakt
Outer contact		≤ 2,5	[mΩ]	Außenkontakt
Contact current max. (DC)		1,5	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≥ 335	[V] DC	Betriebsspannung
Proof voltage		1000	[V] eff	Prüfspannung

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Engagment force		max. 25	[N]	Steckkraft
Separating force		8-25	[N]	Ziehkraft
Mating cycles		> 500		Steckzyklen

Product Data Sheet / Produkt Datenblatt

Part Number	5197.11.1520.003	Teilenummer
Description	SMB (m) - PCB mount angle plug	Beschreibung

Material & plating / Material & Oberfläche

	RoHS (2002/95/EC) conform		
	Material/Material	Plating/Oberflächen	
Outer contact	Brass	Cu + Ni + 0,2µm Au	Ausenleiter
Contact pin	Brass	Ni-P + 0,15µm Au	Kontaktstift
Insulator	PTFE	-	Isolator
Pressfit	Bronze	Sn + Ni	Pressfit

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
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		
a	2015.11.11	Fabiankovits	Updated		
b	2018.10.24	Fabiankovits	Updated		
				Formblatt-Nr.: Form-TK-013b	
				Rev.	04
				Released	17.04.14