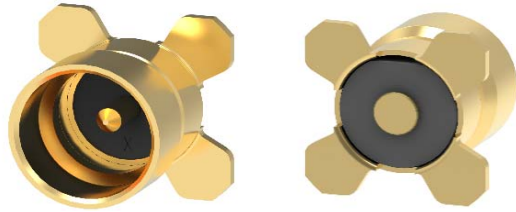


Product Data Sheet / Produkt Datenblatt

Part Number	7816.PSMP.1010.003	Teilenummer
Description	PSMP p.c.b. mount plug (limited detent)	Beschreibung
		
Design according to	PSMP (limited detent)	Ausführung nach

Electrical characteristics / Elektrische Eigenschaften

	colored value means: under validation		
		Value/Wert	Unit/Einheit
Impedance (MIL-C-39012B)		50	[Ω]
Operating frequency up to		10	[GHz]
Return loss ¹⁾			Rückflusdämpfung
	DC to 4 GHz	≥30	[dB]
	4 to 6 GHz	≥25	[dB]
Insertion loss		≤0.03√f[GHz]	[dB]
3rd. Order PIM product 2x43dBm	at 1870MHz	≥160	[dBc]
Insulation resistance		≥5	[GΩ]
Contact resistance			Kontakt-Widerstand
Centre contact		≤3	[mΩ]
Outer contact		≤2	[mΩ]
Power handling (at 20°C, sea level, VSWR1.0)	at 2.2GHz	≤200	[W]
Operating voltage		480	[V] eff
Proof voltage		1000	[V] eff

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit
Mating cycles			
if mating part is limited detent		≥100	
Center contact captivation		≥7	[N]
Engagement force			
limited detent		≤45	[N]
Disengagement force			
limited detent		≥15	[N]

Product Data Sheet / Produkt Datenblatt

Part Number	7816.PSMP.1010.003	Teilenummer
Description	PSMP p.c.b. mount plug (limited detent)	Beschreibung

Material & plating / Material & Oberfläche

RoHS (2002/95/EC) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Brass	Ni-P + 0,1µm Au	Außenkontakt
Centre contact	Brass	Ni-P + 0,15µm Au	Innenkontakt
Crimp ferrule	-	-	Crimphülse
Insulator	LCP	-	Isolator
Cap	PA6T		

Environmental influences: Umwelteinflüsse

Operating temperature range	-65°C up to +165°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-Db	4. Feuchte Wärme, zyklisch, 6 Zyklen
Solder profile		Lötprofil
RoHS	compliant	

Notes: Aufzeichnungen

1) connector only, VSWR in application depends decisive on PCB layout

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	2022.07.19	Dony	mod. Plating		
B	2022.07.21	Dony	mod. Plating		
				Formblatt-Nr.: Form-TK-013b	
				Rev.	04
				Released	17-Apr-14