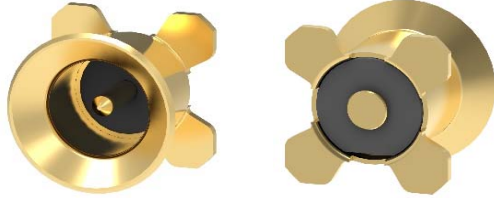


Product Data Sheet / Produkt Datenblatt

Part Number	7817.PSMP.1010.003	Teilenummer
Description	PSMP pcb mount plug (smooth bore)	Beschreibung
		
Design according to	PSMP (smooth bore)	Ausführung nach

Electrical characteristics / Elektrische Eigenschaften

	colored value means: under validation		
		Value/Wert	Unit/Einheit
Impedance		50	[Ω]
Frequency		10	[GHz]
Return loss			
	DC to 4 GHz	≥30dB	[dB]
	4 to 6 GHz	≥25	[dB]
Insertion loss		$\leq 0.03\sqrt{f[\text{GHz}]}$	[dB]
Intermodulation (3rd order)	(2X43dBm)	≥160	[dBc]
Insulation resistance		≥5	[GΩ]
Contact resistance			
Centre contact resistance		≤3	[mΩ]
Outer contact resistance		≤2	[mΩ]
Power handling (at 20°C, sea level)	at 2.2GHz	≤200	[W]
Working voltage (at sea level)		480	[V] rms
Test voltage (at sea level)		1000	[V] rms

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit
Mating cycles		≥1000	
Center contact captivation		≥7	[N]
Engagement force			
smooth bore		≤10	[N]
Disengagement force			
smooth bore		≥2.2	[N]
Weight			

Product Data Sheet / Produkt Datenblatt

Part Number	7817.PSMP.1010.003	Teilenummer
Description	PSMP pcb mount plug (smooth bore)	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
Other metal parts	-	-	sonstige Metallteile
Insulator	LCP	-	Isolator
Cap	-	-	Deckel

Environmental influences: Umwelteinflüsse

Operating temperature range	-65°C to +165°C		
Rapid change of temperature	IEC 60169-1, Sub-clause 16.4 (-65°C to +165°C)		
Vibration	IEC 60068-2-64 random		
Shock	IEC 60068-2-27 (half-sine)		
High temperature endurance	IEC 60169-1, Sub-clause 18(+165°C, 1000 hours)		
Max.soldering temperature	IEC 61760-1,+260°C for 10 sec		
2002/95/EC (RoHS)	complaint		

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