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Part Number	7818.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]	Impedanz (MIL-C-39012B)
Operating frequency up to		10	[GHz]	Betriebsfrequenz bis zu
Return loss ¹⁾				Rückflussdämpfung
	DC to 4 GHz	≥30	[dB]	
	4 to 6 GHz	≥25	[dB]	
Insertion loss		≤0.03x√f[GHz]	[dB]	
Statisch 3rd. Order PIM	at 1870MHz,2x43dBm	≥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
Power handling (at 20°C, sea level, VSWR1.0)	at 2.2GHz	≤200	[W]	
Operating voltage		480	[V] eff	Betriebsspannung
Proof voltage		1000	[V] eff	Prüfspannung

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]

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Material & plating / Material & Oberfläche

RoHS (2002/95/EC) conform		
	Material/Material	Plating/Oberflächen
Outer contact	Brass	min 0.5µm Cu + min 2µm Ni-P + min 0.15 µm hard Au
Centre contact	Brass	min 0.5µm Cu + min 2µm Ni-P + min 0.15 µm hard Au
Crimp ferrule	-	-
Insulator	LCP	-

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