


Product Data Sheet / Produkt Datenblatt

Part Number	7314.PSMP.1510.003	Teilenummer
Description	PSMP p.c.b. 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 (MIL-C-39012B)		50	[Ω]	Impedanz (MIL-C-39012B)
Operating frequency up to		10	[GHz]	Betriebsfrequenz bis zu
Return loss				Rückflussdämpfung
	DC to 4 GHz	≥30	[dB]	
	4 to 6 GHz	≥25	[dB]	
Insertion loss		≤0.03x√f[GHz]	[dB]	
3rd. Order PIM product 2x43dBm	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				
smooth bore		≤10	[N]	
Disengagement force				
smooth bore		≥2.2	[N]	

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Material & plating / Material & Oberfläche

	RoHS (2002/95/EC) conform		
	Material/Material	Plating/Oberflächen	
Outer contact	Brass	Ni-P + 0,15µm Au	Außenkontakt
Centre contact	Brass	Ni-P + 0,15µm Au	Innenkontakt
Crimp ferrule	-	-	Crimphülse
Other metal parts	Copper beryllium	3~6µm Ag	sonstige Metallteile
Insulator	PTFE	-	Isolator
Cap	PA 6T	-	Deckel

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-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-Apr-14