

**Product Data Sheet / Produkt Datenblatt**

<b>Part Number</b>	<b>7642.SMP.1014.103</b>	<b>Teilenummer</b>
<b>Description</b>	<b>SMP Bulkhead Plug (limited detent)</b>	<b>Beschreibung</b>
		
<b>Design according to</b>	<b>SMP (limited detent)</b>	<b>Ausführung nach</b>

**Electrical characteristics / Elektrische Eigenschaften**

	colored value means: under validation		
		Value/Wert	Unit/Einheit
Impedance (MIL-C-39012B)		50	[Ω]
Operating frequency up to		18	[GHz]
Return loss			gemessen mit Kabel Type: Rückflussdämpfung
	1 GHz	≥40	[dB]
	2 GHz	≥38	[dB]
	4 GHz	≥30	[dB]
	6 GHz	≥28	[dB]
	10 GHz	≥18	[dB]
	18 GHz	≥15	[dB]
3rd. Order PIM product 2x43dBm	at 910MHz/at 1870MHz	/	[dBc]
Insulation resistance		≥5	[GΩ]
Contact resistance			Kontakt-Widerstand
Centre contact		≤6	[mΩ]
Outer contact		≤2	[mΩ]
Contact current max. (DC)		1.2	[A] DC
Operating voltage		335	[V] eff
Proof voltage		500	[V] eff

**Mechanical characteristics / Mechanische Eigenschaften**

		Value/ Wert	Unit/Einheit
Mating cycles		>500	
Center contact captivation		≥7	[N]
Engagement force		≤45	[N]
Disengagement force		≥9	[N]

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<b>Part Number</b>	<b>7642.SMP.1014.103</b>	<b>Teilenummer</b>
<b>Description</b>	<b>SMPL Bulkhead Plug (limited detent)</b>	<b>Beschreibung</b>

**Material & plating / Material & Oberfläche**

RoHS (2002/95/EC) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Brass	min.0,5µm Cu + min.2µm NiP+ min.0,2µm Au	Außenkontakt
Centre contact	Brass	min.0,5µm Cu + min.2µm NiP+ min.0,2µm Au	Innenkontakt
Crimp ferrule	-	-	Crimphülse
Other metal parts	-	-	sonstige Metallteile
Insulator	PTFE	-	Isolator
Gasket	-	-	Dichtung

**Environmental influences: Umwelteinflüsse**

Operating temperature range	-55°C up to +125°C	Betriebstemperaturbereich
	Standard	
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

**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