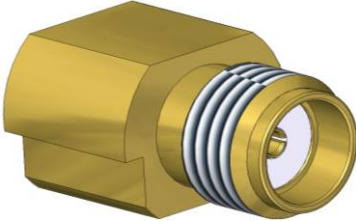


**Product Data Sheet / Produkt Datenblatt**

<b>Part Number</b>	<b>2766.42.2610.003</b>	<b>Teilenummer</b>
<b>Description</b>	<b>SMA (f) - p.c.b. mount jack</b>	<b>Beschreibung</b>
		
<b>Design according to</b>	<b>IEC 169-15 (Type SMA)</b>	<b>Ausführung nach</b>

**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		26	[GHz]	Betriebsfrequenz bis zu
Return loss				Rückflusdämpfung
( Return loss depends primary on p.c.b material + layout)	1 GHz	> 40	[dB]	(Rückflusdämpfung hängt primär von Leiterplattenmaterial und Layout ab. )
	2 GHz	> 40	[dB]	
	4 GHz	> 33	[dB]	
	6 GHz	> 31	[dB]	
	10 GHz	> 24	[dB]	
	18 GHz	> 21	[dB]	
	26 GHz	> 15	[dB]	
Insulation resistance		> 5	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤ 3	[mΩ]	Innenkontakt
Outer contact		≤ 2	[mΩ]	Außenkontakt
Contact current max. (DC)		2	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≥ 335	[VRMS]	Betriebsspannung
Proof voltage		1000	[VRMS]	Prüfspannung

**Mechanical characteristics / Mechanische Eigenschaften**

		Value/ Wert	Unit/Einheit	
Mating cycles "limited detent"		> 500		Steckzyklen "limited detent"

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<b>Part Number</b>	<b>2766.42.2610.003</b>	<b>Teilenummer</b>
<b>Description</b>	<b>SMA (f) - p.c.b. mount jack</b>	<b>Beschreibung</b>

**Material & plating / Material & Oberfläche**

	RoHS (2002/95/EC) conform		
	Material/Material	Plating/Oberflächen	
Housing	Brass	Ni-P + 0,15µm Au	Gehäuse
Centre contact	Copper beryllium	Ni + 1,3µm Au	Innenkontakt
Insulator	PTFE	-	Isolator

**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-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	
a	01.09.2014	Fabiankovits	return loss up to 26 Ghz	
b	08.10.2014	Fabiankovits	return loss updated	
				Formblatt-Nr.: Form-TK-013b
				Rev. 04
				Released 17.04.14