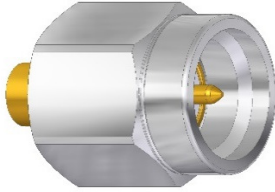


Product Data Sheet / Produkt Datenblatt

Part Number	211.42.1810.063	Teilenummer
Description	SMA (m) - cable mount plug	Beschreibung
		
Design according to	IEC- 169-15 (Type SMA)	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		18	[GHz]	Betriebsfrequenz bis zu
Return loss				Rückflusdämpfung
measured with cable type: UT 85	1 GHz	> 40	[dB]	mit Kabeltyp UT 85 gemessen
	2 GHz	> 38	[dB]	
	4 GHz	> 32	[dB]	
	6 GHz	> 28	[dB]	
	10 GHz	> 20	[dB]	
	18 GHz	> 13	[dB]	
Insulation resistance		>10	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤ 3	[mΩ]	Innenkontakt
Outer contact		≤ 2	[mΩ]	Außenkontakt
Contact current max. (DC)		1,2	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≥ 335	[VRMS]	Betriebsspannung
Proof voltage		1000	[VRMS]	Prüfspannung

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/Einheit	
Coupling nut torque (recommended)		0,8-1,1	[Nm]	Drehmoment Überwurfmutter (empfohlen)
Coupling nut torque (max.)		1,7	[Nm]	Drehmoment Überwurfmutter (max.)
Retention force of coupling nut		min. 270	[N]	Haltekraft der Überwurfmutter
Mating cycles		> 500		Steckzyklen

Product Data Sheet / Produkt Datenblatt

Part Number	211.42.1810.063	Teilenummer
Description	SMA (m) - cable mount plug	Beschreibung

Material & plating / Material & Oberfläche

General: No magnetic nickel allowed in any of the materials.	RoHS (2002/95/EC) conform		Allgemein: Kein magnetisch Nickel in den verwendeten material erlaubt.
	Material/Material	Plating/Oberflächen	
Housing	Copper beryllium	Ni-P + 0,15µm Au	Gehäuse
Contact pin	Copper beryllium	Ni-P + 0,15µm Au	Kontaktstift
Insulator	PTFE	-	Isolator
Spring ring	Stainless steel	passivated	Federring
Coupling nut	Stainless steel	passivated	Befestigungsmutter
Gasket	Silicone rubber	-	Dichtring

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	13.10.2011	Varga	surface changed
b	01.09.2014	Pölz	return loss to 18Ghz
c	09.10.2014	Pölz	revised

Formblatt-Nr.: Form-TK-013b

Rev. 04
 Released 17.04.14