


Product Data Sheet / Produkt Datenblatt

Part Number	4100.SMBA.2X10.039	Teilenummer
Description	SMBA (f) - Kabelkuppler SMBA (f) - Cable mount jack	Beschreibung
		
Design according to	ISO 20860 / DIN 72594 (FAKRA)	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		4	[GHz]	Betriebsfrequenz bis zu
Return loss	measured with cable typ:			gemess. Kabel Typ: Rückflusdämpfung
	Polyflex	FL09YHBCYW 0,35(0,26)2,1KX-50		
	1 GHz	28	[dB]	
	2 GHz	25	[dB]	
	4 GHz	13	[dB]	
3rd. Order PIM product 2x43dBm	at 910MHz/at 1870MHz	/	[dBc]	PIM Produkt 3. Ordnung
Insulation resistance		≥ 1	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
	Centre contact	≤ 5	[mΩ]	Innenkontakt
	Outer contact	≤ 2,5	[mΩ]	Außenkontakt
Contact current max. (DC)		1	[A] DC	Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≤ 60	[V] DC	Betriebsspannung
Proof voltage		500	[V] eff	Prüfspannung

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/ Einheit	
Engagement force		<25	[N]	Steckkraft
Separating force		<25	[N]	Ziehkraft
Mating cycles		>25		Steckzyklen
Retention force (with latch)		>100	[N]	Haltekraft (mit Verriegelung)

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Material & plating / Material & Oberfläche

RoHS (2011/65/EU) conform		
	Material/Material	Plating/Oberflächen
Outer contact	brass	Ni
Centre contact	bronze	Au
Crimp ferrule	brass / copper	Ni
Other metal parts	brass	
Insulator	PE	
Plastic Housing	PBT	

Environmental influences

Temperature range	-40°C up to +85°C	Temperaturbereich
Vibration	MIL-STD-202 Meth. 204, cond.B	Vibration
Corrosion resistance	MIL-STD-202 Meth. 101, cond.D	Korrosionsbeständigkeit
Climatic categorie	IC 60068 65/85/21	Klimakategorie
Shock	MIL-STD-202 Meth. 213, cond. G	Schock
Max. soldering temp. (PCB connectors)		Max. Löttemp. (Leiterplattenanschlüsse)
RoHS	compliant	RoHS
Solder profile		Lötprofil

Notes

Aufzeichnungen

Formblatt Nr.: Form-TK-012ab Rev. 13 - Release 2020/04

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.

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Revision

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