

Product Data Sheet / Produkt Datenblatt

Part Number	5497.MCA.1X20.007	Teilenummer
Description	MCA-PCB-Anbauwinkelstecker-4-P MCA-PCB-Mount Angle Plug-4-pol	Beschreibung
		
Design according to	view coding Z	Ausführung nach

Electrical characteristics / Elektrische Eigenschaften

		colored value means: under validation			
		Value/Wert	Unit/ Einheit		
Impedance (MIL-C-39012B)		50 ±10	[Ω]		Impedanz (MIL-C-39012B)
Operating frequency up to		20	[GHz]		Betriebsfrequenz bis zu
Return loss*					Rückflussdämpfung*
	DC - 3 GHz	≥ 20	[dB]		
	3 - 6 GHz	≥ 20	[dB]		
	6 - 9 GHz	≥ 15	[dB]		
Insertion Loss		≤ 0,1*√f (GHz)	[dB]		Einfügedämpfung
Cross Talk*	DC - 3 GHz	≥ 60	[dB]		Nebensprechen*
	3 - 6 GHz	≥ 55	[dB]		
	6 - 9 GHz	≥ 50	[dB]		
Shielding Effectiveness	DC - 3 GHz	≥ 60	[dB]		Schirmungseffizienz
	3 - 6 GHz	≥ 55	[dB]		
	6 - 9 GHz	≥ 50	[dB]		
Insulation resistance		≥ 1	[GΩ]		Isolationswiderstand
Contact resistance					Kontakt-Widerstand
Centre contact	each contact	≤ 15	[mΩ]		Innenkontakt
Outer contact	each contact	≤ 7,5	[mΩ]		Außenkontakt
Contact current max. (DC)	each contact	3	[A] DC		Kontakt-Strombelastbarkeit max (DC)
Operating voltage		≤ 60	[V] DC		Betriebsspannung
Proof voltage		500	[Vms]		Prüfspannung

Formblatt Nr.: Form-TK-013ab Rev. 13 - Release 2020/04

Product Data Sheet / Produkt Datenblatt

Part Number	5497.MCA.1X20.007	Teilenummer
Description	MCA-PCB-Anbauwinkelstecker-4-P MCA-PCB-Mount Angle Plug-4-pol	Beschreibung

Mechanical characteristics / Mechanische Eigenschaften

	Value/ Wert	Unit/ Einheit	
Engagement force	≤ 75	[N]	Steckkraft
Separating force	≤ 60	[N]	Ziehkraft
Mating cycles	≥ 25	[-]	Steckzyklen
Retention force locked system	≥ 120	[N]	Haltekraft Steckerverriegelung
Water resistance	NA		Wasserbeständigkeit

Material & plating / Material & Oberfläche

	Material/Material	Plating/Oberflächen	
Outer contact	Brass	Sn	Außenkontakt
Centre contact	Brass / Bronze	Ag	Innenkontakt
Plastic housing	PPA / PA-GF	-	Kunststoffgehäuse
Other metal parts	GD-Zn	Sn	sonstige Metallteile
Insulator	LCP	-	Isolator

Environmental influences**

Umwelteinflüsse**

Temperature range	-40°C < T < +105°C	Temperaturbereich
Mechanical shock	IEC 60068-2-27	Mechanischer Schock
Vibration	IEC 60068-2-64 Severity 1	Vibration
Thermal change	IEC 60068-2-14	Temperaturwechsel
Damp heat, cyclic	IEC 60068-2-30	Feuchte Wärme, zyklisch
Dry heat	IEC 60068-2-2 (+105°C)	Trockene Wärme
RoHS	compliant	RoHS
Solder profile	according to JEDEC 020	Lötprofil

Notes

Aufzeichnungen

* Connector performance strongly depends on PCB type and layout
 ** meets LAH.4N0.035.K-Ver.2

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.