

Product Data Sheet / Produkt Datenblatt

Part Number	7738.NEX.1010.005	Teilenummer
Description	NEX10 plug termination	Beschreibung
		
Design according to	NEX10	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		6	[GHz]	Betriebsfrequenz bis zu	
Return loss	measured with cable type:			gemessen mit Kabel Typ: Rückflusdämpfung	
	@ DC to 4 GHz	≥26	[dB]		
	@ 4 to 6 GHz	≥24	[dB]		
Insertion loss		/	[dB]		
Insulation resistance		/	[GΩ]	Isolationswiderstand	
Contact resistance				Kontakt-Widerstand	
	Centre contact	≤1.5	[mΩ]	Innenkontakt	
	Outer contact	≤1.5	[mΩ]	Außenkontakt	
Power rating	2 Watt average power up to 85°C ambient temperature, linearly derated to 0 Watt at 115°C ambient temperature				

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/ Einheit		
Mating cycles		≥100		Steckzyklen	
Center contact retention					
	Axial force	≥27	[N]		
Recommended torque		1.5	[Nm]	Empfohlenes Anzugsmoment	
Water resistance	Interface only (mated pair)	IP67		Wasserbeständigkeit nur Steckbereich (gesteckter Zustand)	

Date/Generated: 2020.07.08 Dony

Revision -

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Material & plating / Material & Oberfläche

RoHS (2011/65/EU) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Bronze	Cu + 3-6µm Ag	Außenkontakt
Centre contact	Bronze	Cu + 3-6µm Ag	Innenkontakt
Housing	Brass	Cu + 2-4µm CuZnSn	Crimphülse
Nut	Brass	Cu + 2-4µm CuZnSn	Mutter
Insulator	PTFE		Isolator
Gasket	Silicone/Silikon		Dichtung

Environmental influences

Umwelteinflüsse

Temperature range	-40°C up to +115°C	Temperaturbereich
Vibration		Vibration
Corrosion resistance		Korrosionsbeständigkeit
Climatic categorie		Klimakategorie
Shock		Schock
RoHS		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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