

IMS Product Specification/ Product Data Sheet

Part Number	5550.NEX.2018.195	Teilenummer
Description	NEX(f)-Flanschbuchse NEX(f)-Flange mount jack	Beschreibung
		

Design according to **RT-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		...13GHz	[GHz]	Betriebsfrequenz bis zu	
Return loss	measured with cable typ:			gemessen mit Kabel Typ: Rückflusdämpfung	
	@ DC to 4 GHz	≥36	[dB]		
	@ 4 to 6 GHz	≥32	[dB]		
	@ 6 to 13 GHz	≥25	[dB]		
Insertion loss		≤1.5 x √f[GHz]	[dB]		
RF-leakage	@ DC to 6 GHz	≥90	[dB]		
3rd. Order PIM product 2x43dBm	at 910MHz/at 1870MHz	≥160	[dBc]	PIM Produkt 3. Ordnung	
Insulation resistance		≥5	[GΩ]	Isolationswiderstand	
Contact resistance				Kontakt-Widerstand	
	Centre contact	≤1.5	[mΩ]	Innenkontakt	
	Outer contact	≤1.5	[mΩ]	Außenkontakt	
Power handling	at 2GHz and 85°C	100	[W] DC	Belastbarkeit	
	at 2GHz and 105°C	50	[W] DC		
Proof voltage		500	[V] eff	Prüfspannung	
		Value/ Wert	Unit/ Einheit		
Mating cycles		≥100		Steckzyklen	
Recommended torque		1.5	[Nm]	Empfohlenes Anzugsmoment	
Water resistance	(mated pair)	IP68 24h/1m		Wasserbeständigkeit (gestecktes Paar)	

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Material & plating / Material & Oberfläche

RoHS (2011/65/EU) conform			
	Material/Material	Plating/Oberflächen	
Outer contact	Brass	Cu + 2-4µm CuZnSn	Außenkontakt
Centre contact	Copper beryllium	Cu + 5-8µm Ag	Innenkontakt
Crimp ferrule	-		Crimphülse
Other metal parts	-		sonstige Metallteile
Insulator	PTFE		Isolator
Gasket	Silicone/Silikon		Dichtung

Environmental influences / Umwelteinflüsse

Operating temperature range	-55°C up to +125°C	Betriebstemperaturbereich
Thermal shock	IEC 61169-1 9.4.4.	Wärme Schock
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64	Vibration
Shock	IEC 61169-1 9.3.14	Schock
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.

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