

IMS Product Specification/ Product Data Sheet

Part Number	7727.NEX.1410.065	Teilenummer
Description	NEX 10 straight plug	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		...20GHz	[GHz]	Betriebsfrequenz bis zu
Return loss	measured with cable type:			gemessen mit Kabel Typ: Rückflusdämpfung
	@ DC to 4 GHz	≥30	[dB]	
	@ 4 to 6 GHz	≥29	[dB]	
	@ 6 to 10 GHz	≥26	[dB]	
Insertion loss		≤0.05 x √f[GHz]	[dB]	
RF-leakage	@ DC to 6 GHz	≥110	[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	Belastbarkeit
Proof voltage		500	[V] eff	Prüfspannung

Mechanical characteristics / Mechanische Eigenschaften

		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 + 3-6µm Ag	Innenkontakt
Crimp ferrule	-		Crimphülse
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
RoHS	compliant	
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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