

**IMS Product Specification/ Product Data Sheet**

<b>Part Number</b>	<b>7780.NEX.2110.07Z</b>	<b>Teilenummer</b>
<b>Description</b>	<b>NEX 10 cable mount jack</b>	<b>Beschreibung</b>
		
<b>Design according to</b>	<b>NEX10</b>	<b>Ausführung nach</b>

**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		...6GHz	[GHz]	Betriebsfrequenz bis zu	
Return loss	measured with cable type:			gemessen mit Kabel Typ:	Rückflussdämpfung
	@ DC to 2 GHz	≥36	[dB]		
	@ 2 to 4 GHz	≥32	[dB]		
	@ 4 to 6 GHz	≥28	[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
			Crimphülse
Insulator	PTFE		Isolator
			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

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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