

IMS Product Specification/ Product Data Sheet

Part Number	5552.NEX.1410.075	Teilenummer
Description	NEX10(m)-Kabelstecker NEX10(m)-Cable mount plug	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		...20	[GHz]	Betriebsfrequenz bis zu	
Return loss	measured with cable typ: Flexiform 402			gemessen mit Kabel Typ: Rückflussdämpfung	
	@ DC to 4 GHz	≥30	[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		
Working voltage		500	[V] eff	Spannung	

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/ Einheit		
Mating cycles		≥100		Steckzyklen	
Retention force of coupling mecha.		>150	[N]	Haltekraft für Kupplungsmechanismus	
Engagement force		typ. 50	[N]	Steckkraft	
Disengagement force		typ. 40	[N]	Abzugskraft	
Water resistance	(mated pair)	IP68 24h/1m		Wasserbeständigkeit (gestecktes Paar)	

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Material & plating / Material & Oberfläche

	Material/Material	Plating/Oberflächen	
Outer contact	Copper beryllium	Cu + 3-6µm Ag	Außenkontakt
Centre contact	Brass	Cu + 3-6µm Ag	Innenkontakt
Other metal parts	Brass	Cu + 2-4µm CuZnSn	Andere Metallteile
Spring ring	Stainless steel	-	Federring
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	RoHS

Notes / Aufzeichnungen

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