

Product Data Sheet / Produkt Datenblatt

Part Number	7740.NEX.2014.205	Teilenummer
Description	NEX10 bulkhead jack	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		20	[GHz]	Betriebsfrequenz bis zu
Return loss				Rückflusdämpfung
	@ DC to 4 GHz	≥36	[dB]	
	@ 4 to 6 GHz	≥34	[dB]	
	@ 6 to 12 GHz	≥30	[dB]	
	@ 12 to 20 GHz	≥20	[dB]	
Insertion loss		≤0.05 x √f[GHz]	[dB]	
3rd. Order PIM product 2x43dBm	at 1870MHz	≥166	[dBc]	PIM Produkt 3. Ordnung
Insulation resistance		≥5	[GΩ]	Isolationswiderstand
Contact resistance				Kontakt-Widerstand
Centre contact		≤1.5	[mΩ]	Innenkontakt
Outer contact		≤1.0	[mΩ]	Außenkontakt
Power handling	at 2GHz and 85°C	100	[W] DC	Belastbarkeit
	at 2GHz and 105°C	50	[W] DC	
Voltage rating	max.	500	[V] eff	Prüfspannung
Dielectric withstanding voltage	min.	1500	[V] eff	
Surge current	±1KA 10/350 µs pulse and ±5 KA 8/20 µs pulse ±5KA 10/350 µs pulse and ±20KA 8/20 µs pulse			

Mechanical characteristics / Mechanische Eigenschaften

		Value/ Wert	Unit/ Einheit	
Mating cycles		≥100		Steckzyklen
Center contact retention				
Axial force-mating end		≥27	[N]	
Axial force-opposite end		≥27	[N]	
Recommended torque		1.5	[Nm]	Empfohlenes Anzugsmoment
Recommended torque (panel nut)		8	[Nm]	Empfohlenes Anzugsmoment
Water resistance	Interface only (mated pair)	IP68 24h/1m		Wasserbeständigkeit nur Steckbereich (gesteckter Zustand)

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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 + 3-5µm Ag	Innenkontakt
Crimp ferrule	-		Crimphülse
Other metal parts	-		sonstige Metallteile
Insulator	PTFE		Isolator
Gasket	-		Dichtung

Environmental influences

Umwelteinflüsse

Temperature range	-55°C up to +125°C		Temperaturbereich
Vibration	MIL-STD-202 Meth. 204, cond.B		Vibration
Corrosion resistance	MIL-STD-202 Meth. 101, cond.D		Korrosionsbeständigkeit
Climatic categorie	IC 60068 65/85/21		Klimakategorie
Shock	MIL-STD-202 Meth. 213, cond. G		Schock
RoHS	compliant		RoHS
Solder profile			Lötprofil

Notes

Aufzeichnungen