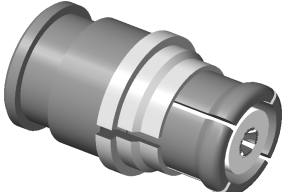


Product data sheet

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Part Number: 4143.SMP.2410.063		Revision: a
Description: SMP-Cable mount angle plug		Date: 14.03.2006
		Signature: U. Mayer
		Page: 1 of 2
Design according to:	MIL-STD-348A	
Electrical characteristics	colored value means: still under test target value	
	Value	Unit
Impedance (MIL-C- 39012B)	50	[Ω]
Operating frequency up to	10	[GHz]
Return loss measured with cable typ:		
1 GHz	30	[dB]
2 GHz	30	[dB]
4 GHz	28	[dB]
6 GHz	26	[dB]
10 GHz	16	[dB]
18 GHz		[dB]
3rd. Order PIM product 2x43dBm	/	[dBc]
Insulation resistance	5	[G Ω]
Contact resistance		
Centre contact	<6	[m Ω]
Outer contact	<2	[m Ω]
Contact current max. (DC)	1,2	[A]
Operating voltage	335	[V]
Proof voltage	500	[V]
		Picture
		
		Remarks
		at 910MHz / at 1870 MHz
Mechanical characteristics		
	Value	Unit
Engagement force	"smooth bore"	≤ 9,0
	"limited detend"	≤ 45
Separating force	"smooth bore"	≥ 2,2
	"limited detend"	≥ 9,0
Mating cycles	"smooth bore"	>1000
	"limited detend"	> 500

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<u>Material & plating</u>	Material	Plating
Housing	copper beryllium	2µm Ni-P + 0,15µm Au
Centre contact	copper beryllium	2µm Ni-P + 0,15µm Au
Centre ring	copper beryllium	Ni + 0,2µm Au
Insulator	PTFE	-
Crimp ferrule	-	-
Gasket	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-65°C up to +165°C Standard	
Climatic sequence: 1. Dry heat 2. Damp heat, cyclic, 1 cycle 3. Cold 4. Damp heat, cyclic, 6 cycles	IEC 60068-2-61 IEC 60068-2-2-Ba IEC 60068-2-30-Db IEC 60068-2-1-Aa IEC 60068-2-30-Db	

Notes

<u>Update historie</u>		
Rev.	date	Signature
a	19.07.2006	um