

PRODUCT DATA SHEET

page 1 / 2

Part Number: 5136.SMPL.9910.003

Description: SMPL-SMP-Adapter (with WB ferrule)

Design according to:

SMP MIL-STD-348A
Long-wipe SMP Spec. 17S000-000

All parts and surfaces free of magnetics

Electrical characteristics:

	Value	Unit	Picture
Operating frequency up to	26	[GHz]	
Impedance (MIL - C -39012B)	50	[Ω]	
Return loss measured with cable typ:	-	-	
1 GHz	31	[dB]	
2 GHz	30	[dB]	
4 GHz	28	[dB]	
6 GHz	27	[dB]	
10 GHz	25	[dB]	
18 GHz	22	[dB]	
26 GHz	16	[dB]	
Insulation resistance	≥ 5	[GΩ]	Remarks
Contact resistance			at sea level 50Hz
Centre contact	≤ 6	[mΩ]	
Outer contact	≤ 2	[mΩ]	
Contact current max. (DC)	1,2	[A]	
Operating voltage	< 335	[V _{RMS}]	
Proof voltage	500	[V _{eff}]	

Mechanical characteristics:

	Value	Unit	Remarks
Engagement force	"smooth bore" max. 9	[N]	
	"limited detent" max. 45	[N]	
	"full detent" max. 68	[N]	
Disengagement force	"smooth bore" min. 2,2	[N]	
	"limited detent" min. 9	[N]	
	"full detent" min. 22	[N]	
Mating cycles	mating part is "smooth bore" min. 1000		
	mating part is "limited detent" min. 500		
	mating part is "full detent" min. 100		

Date: 05.03.2014 -

Revision -

Approved: -

PRODUCT DATA SHEET

page 2 / 2

Part Number: 5136.SMPL.9910.003

Description: SMPL-SMP-Adapter (with WB ferrule)

Material & plating:

	RoHS (2002/95/EC and 2011/65) conform	
	Material	Plating
Outer contact (Spring basket)	Copper beryllium	min. 0,5µm Cu + min. 2µm Ni-P + min. 0,2µm hard Au
Centre contact	Copper beryllium	min. 0,5µm Cu + min. 2µm Ni-P + min. 0,2µm hard Au
Connector body	Brass	min. 0,5µm Cu + min. 2µm CuSnZn
Insulator	PTFE	-

Environmental influences:

Operating temperature range	-65°C up to +155C Standard	Remarks
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	
Solder profile:	-	

Notes

Update History

Rev.	Date	Alteration	Signature

Formblatt-Nr.: Form-TK-012b	
Rev.	-
Released	05.03.2014

Date: 05.03.2014

Revision

Approved:

-

-