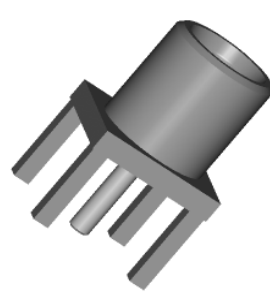


Product data sheet

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Part Number: 003.01.2510.001 Description: p.c.b. mount jack		Revision: - Date: 18.05.2006 Signature: U. Mayer Page: 1 of 2
Design according to:	IEC 1169-36 (Type MCX)	
Electrical characteristics	colored value means: still under test target value	
	Value	Unit
Impedance (MIL-C- 39012B) Operating frequency up to Return loss	50 6	[Ω] [GHz]
1 GHz 2 GHz 4 GHz 6 GHz 10 GHz 18 GHz	30 25 22 22	[dB] [dB] [dB] [dB]
3rd. Order PIM product 2x43dBm Insulation resistance Contact resistance	/ 5	[dBc] [GΩ]
Centre contact Outer contact	5,0 1,0	[mΩ] [mΩ]
Contact current max. (DC) Operating voltage Proof voltage	1,5 250 500	[A] [V] [V]
		
Remarks at 910MHz / at 1870 MHz		
Mechanical characteristics		
	Value	Unit
Engagement force Separating force Mating cycles	>500	[N] [N]
Soldering temperature Soldering time	max. 270 max. 12	[C°] [sec.]
wave soldering		

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Part Number: 003.01.2510.001	Revision: -
Description: p.c.b. mount jack	Date: 18.05.2006
	Signature: U. Mayer
	Page: 2 of 2

<u>Material & plating</u>	Material	Plating
Housing	brass	Cu + Ni + 0,8µm Au
Centre contact	copper berylium	2-4µm Cu + 1,3µm Au
Other metal parts	-	-
Insulator	PTFE	-
Crimp ferrule	-	-
Gasket	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-55°C up to +125°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	

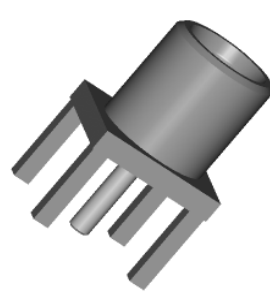
Notes

<u>Update historie</u>		
Rev.	date	Signature

Product data sheet

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Part Number: 003.01.2510.003 Description: p.c.b. mount jack		Revision: a Date: 27.07.2004 Signature: U. Mayer Page: 1 of 2	
Design according to:		IEC 1169-36 (Type MCX)	
Electrical characteristics		colored value means: still under test target value	Picture
	Value	Unit	
Impedance (MIL-C- 39012B)	50	[Ω]	
Operating frequency up to	6	[GHz]	
Return loss			
1 GHz	30	[dB]	
2 GHz	25	[dB]	
4 GHz	22	[dB]	
6 GHz	22	[dB]	
10 GHz		[dB]	
18 GHz		[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	5	[GΩ]	
Contact resistance			
Centre contact	5,0	[mΩ]	
Outer contact	1,0	[mΩ]	
Contact current max. (DC)	1,5	[A]	
Operating voltage	250	[V]	
Proof voltage	500	[V]	
			Remarks at 910MHz / at 1870 MHz
Mechanical characteristics		Value	Unit
Engagement force			[N]
Separating force			[N]
Mating cycles	>500		
Soldering temperature	max. 270		[C°]
Soldering time	max. 12		[sec.]
			wave soldering

Product data sheet

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Part Number: 003.01.2510.003	Revision: a
Description: p.c.b. mount jack	Date: 27.07.2004
	Signature: U. Mayer
	Page: 2 of 2

<u>Material & plating</u>	Material	Plating
Housing	brass	2-4µmNi+2µm Ni-P+0,15µm Au
Centre contact	copper berylium	2-4µmNi+2µm Ni-P+0,15µm Au
Other metal parts	-	-
Insulator	PTFE	-
Crimp ferrule	-	-
Gasket	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-55°C up to +125°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	

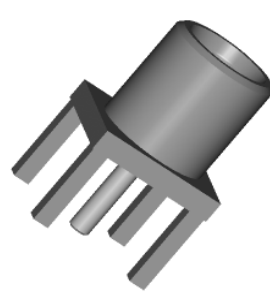
Notes

<u>Update historie</u>		
Rev.	date	Signature
a	18.05.2006	um

Product data sheet

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Part Number: 003.01.2510.005 Description: p.c.b. mount jack		Revision: - Date: 24.01.2007 Signature: U. Mayer Page: 1 of 2	
Design according to:		IEC 1169-36 (Type MCX)	
Electrical characteristics		colored value means: still under test target value	Picture
	Value	Unit	 Remarks at 910MHz / at 1870 MHz
Impedance (MIL-C- 39012B)	50	[Ω]	
Operating frequency up to	6	[GHz]	
Return loss			
1 GHz	30	[dB]	
2 GHz	25	[dB]	
4 GHz	22	[dB]	
6 GHz	22	[dB]	
10 GHz		[dB]	
18 GHz		[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	5	[GΩ]	
Contact resistance			
Centre contact	5,0	[mΩ]	
Outer contact	1,0	[mΩ]	
Contact current max. (DC)	1,5	[A]	
Operating voltage	250	[V]	
Proof voltage	500	[V]	
Mechanical characteristics		Value	Unit
Engagement force			[N]
Separating force			[N]
Mating cycles	>500		
Soldering temperature	max. 270		[C°]
Soldering time	max. 12		[sec.]

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Part Number: 003.01.2510.005	Revision: -
Description: p.c.b. mount jack	Date: 24.01.2007
	Signature: U. Mayer
	Page: 2 of 2

<u>Material & plating</u>	Material	Plating
Housing	brass	Cu + 2-4µm CuZnSn
Centre contact	copper beryllium	2-4µm Cu + 1,3µm Au
Other metal parts	-	-
Insulator	PTFE	-
Crimp ferrule	-	-
Gasket	-	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-55°C up to +125°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