Product data sheet

IMS CONNECTOR SYSTEMS GmbH
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Part Number: 3935.QLS.1410.065

Description: Cable mount plug

Revision: -
Date: **17.08.2005**
Signature: **R.Schwär**

Design according to:	-	

Electrical characteristics

colored value means: still under test target value

	Value	Unit	Picture
Impedance (MIL-C- 39012B)	**50**	[Ω]	
Operating frequency up to	**...18**	[GHz]	
Return loss measured with cable typ:	**UT 85-AL-TP**	**Micro Coax**	
1 GHz	**35**	[dB]	
2 GHz	**33**	[dB]	
4 GHz	**30**	[dB]	
6 GHz	**29**	[dB]	
10 GHz	**25**	[dB]	
18 GHz	**19**	[dB]	

		Remarks
3rd. Order PIM product 2x43dBm	**140** [dBc]	at 910MHz / at 1870 MHz
Insulation resistance	**5** [GΩ]	
Contact resistance		
Centre contact	**3,0** [mΩ]	
Outer contact	**2,5** [mΩ]	
Contact current max. (DC)	**2** [A]	
Operating voltage	**500** [V]	
Proof voltage	**1000** [V]	

Mechanical characteristics

	Value	Unit	Remarks
Engagement force	**30**	[N (typ.)]	
Separating force	**20**	[N (typ.)]	
Mating cycles	**200**		

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Material & plating

	Material	Plating
Tighten part	**stainless steel**	-
Push ferrule	**stainless steel**	-
Centre contact	**brass**	**Cu + 2-4µm CuZnSn + 1,3µm Au**
Other metal parts	**brass**	**Cu + 2-4µm CuZnSn**
Insulator	**PTFE**	-
	-	-

Environmental influences

Operating temperature range	-40°C up to +85°C	
	Standard	Remarks
Climatic sequence:	IEC 60068-2-61	
1. Dry heat	IEC 60068-2-2-Ba	
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	
3. Cold	IEC 60068-2-1-Aa	
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Db	

Notes

Update historie

Rev.	date	Signature

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Part Number: 3935.QLS.1410.075

Description: Cable mount plug

Revision: -
Date: **17.08.2005**
Signature: **R.Schwär**

Design according to:	-	

Electrical characteristics

colored value means: still under test target value

	Value	Unit	Picture
Impedance (MIL-C- 39012B)	**50**	[Ω]	
Operating frequency up to	**...18**	[GHz]	
Return loss measured with cable typ:	**UT 141-A-TP**	**Micro Coax**	
1 GHz	**38**	[dB]	
2 GHz	**35**	[dB]	
4 GHz	**32**	[dB]	
6 GHz	**30**	[dB]	
10 GHz	**23**	[dB]	
18 GHz	**19**	[dB]	

			Remarks
3rd. Order PIM product 2x43dBm	**140**	[dBc]	at 910MHz / at 1870 MHz
Insulation resistance	**5**	[GΩ]	
Contact resistance			
Centre contact	**3,0**	[mΩ]	
Outer contact	**2,5**	[mΩ]	
Contact current max. (DC)	**2**	[A]	
Operating voltage	**500**	[V]	
Proof voltage	**1000**	[V]	

Mechanical characteristics

	Value	Unit	Remarks
Engagement force	**30**	[N (typ.)]	
Separating force	**20**	[N (typ.)]	
Mating cycles	**200**		

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	Date: **17.08.2005**
	Signature: **R.Schwär**
Description: Cable mount plug	Page: 2 of 2

Material & plating

	Material	Plating
Tighten part	**stainless steel**	-
Push ferrule	**stainless steel**	-
Centre contact	**brass**	**Cu + 2-4µm CuZnSn + 1,3µm Au**
Other metal parts	**brass**	**Cu + 2-4µm CuZnSn**
Insulator	**PTFE**	-
	-	-

Environmental influences

Operating temperature range	-40°C up to +85°C	
	Standard	Remarks
Climatic sequence:	IEC 60068-2-61	
1. Dry heat	IEC 60068-2-2-Ba	
2. Damp heat, cyclic, 1 cycle	IEC 60068-2-30-Db	
3. Cold	IEC 60068-2-1-Aa	
4. Damp heat, cyclic, 6 cycles	IEC 60068-2-30-Db	

Notes

Update historie

Rev.	date	Signature