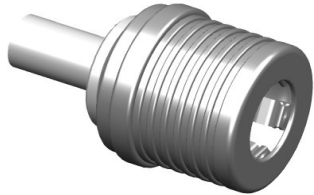


Product data sheet

IMS CONNECTOR SYSTEMS GmbH
 Obere Hauptstrasse 30
 D-79843 Löffingen
 Postfach 1141
 D-79840 Löffingen

Tel (+49) 7654 901-0
 Fax (+49) 7654 901-199
 Net: www.imscs.com
 E-mail: sales@imscs.com

Part Number: 3873.QLS.1410.025 Description: Cable mount plug		Revision: a Date: 23.09.2005 Signature: R.Schwär Page: 1 of 2	
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	...6	[GHz]	
Return loss measured with cable typ:	RG 316/U	Nexans	
1 GHz	25	[dB]	
2 GHz	21	[dB]	
4 GHz	16	[dB]	
6 GHz	15	[dB]	
10 GHz	-	[dB]	
18 GHz	-	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
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]	
		Remarks	
		at 910MHz / at 1870 MHz	
Mechanical characteristics		Value	Unit
Engagement force	30	[N (typ.)]	Remarks
Separating force	20	[N (typ.)]	
Mating cycles	200		

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Part Number: 3873.QLS.1410.025	Revision: a
Description: Cable mount plug	Date: 23.09.2005
	Signature: R.Schwär
	Page: 2 of 2

<u>Material & plating</u>	Material	Plating
Tighten part	stainless steel	-
Push ferrule	stainless steel	-
Centre contact	brass	Cu + 2-4µm CuZnSn + 1,3µm Au
Crimp ferrule	copper	Cu + 2-4µm CuZnSn
Other metal parts	brass	Cu + 2-4µm CuZnSn
Insulator	PTFE	-

<u>Environmental influences</u>		Remarks
Operating temperature range	-40°C up to +85°C	
	Standard	
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	

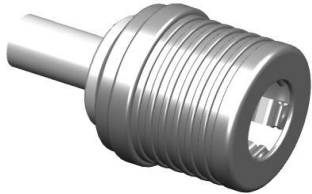
Notes

<u>Update historie</u>		
Rev.	date	Signature
a	07.02.2006	R.Schwaer

Product data sheet

IMS CONNECTOR SYSTEMS GmbH
 Obere Hauptstrasse 30
 D-79843 Löffingen
 Postfach 1141
 D-79840 Löffingen

Tel (+49) 7654 901-0
 Fax (+49) 7654 901-199
 Net: www.imscs.com
 E-mail: sales@imscs.com

Part Number: 3873.QLS.1410.055 Description: Cable mount plug		Revision: - Date: 14.07.2005 Signature: R.Schwär Page: 1 of 2	
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	...6	[GHz]	
Return loss measured with cable typ:	RG 316/U-d	Nexans	
1 GHz	26	[dB]	
2 GHz	23	[dB]	
4 GHz	19	[dB]	
6 GHz	18	[dB]	
10 GHz	-	[dB]	
18 GHz	-	[dB]	
3rd. Order PIM product 2x43dBm	/	[dBc]	
Insulation resistance	5	[G Ω]	
Contact resistance			
Centre contact	3,0	[m Ω]	
Outer contact	2,5	[m Ω]	
Contact current max. (DC)	2	[A]	
Operating voltage	500	[V]	
Proof voltage	1000	[V]	
			Remarks
			at 910MHz / at 1870 MHz
Mechanical characteristics			
	Value	Unit	Remarks
Engagement force	30	[N (typ.)]	
Separating force	20	[N (typ.)]	
Mating cycles	200		

