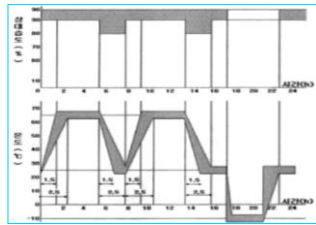


	Count	Description of revisions	By	Chkd	Date		Count	Description of revisions	By	Chkd	Date					
△						△										
△						△										
Applicable standard																
Rating	Operating temperature range		-40℃ ~ + 105℃			Storage temperature range		-10℃ ~ +50℃(Packed Condition)								
	Power		4W			Characteristic impedance		50Ω (DC to 6GHz)								
	Peculiarity		—			Applicable cable		KMS-560-LP								
SPECIFICATIONS																
ITEM			TEST METHOD				REQUIREMENTS			QT	AT					
CONSTRUCTION																
General examination			Confirm visually and test by measurement equipment				According to drawing			0	0					
Dimension-material			Confirm visually							0	0					
ELECTRICAL CHARACTERISTICS																
Voltage standing wave ratio	N.C.		Test at frequency DC to 6GHz				1.5 Max.			0	-					
	N.O.															
Insertion loss	N.C.		Test at frequency DC to 6GHz				1.4dB Max.			0	-					
	N.O.															
Isolation			Test at frequency DC to 6GHz				10dB Min.			0	-					
Contact resistance			Test at maximum of 1mA AC (or 1KHz)				Center : 100mΩ Max. Outer : 50mΩ Max.			0	-					
Insulation resistance			Test at 500V DC				100MΩ Min.			0	-					
Voltage proof			Keep 500V AC for one minute				No flashover or breakdown			0	-					
MECHANICAL CHARACTERISTICS																
Mechanical operation			Test after 100times insertion and extraction				① Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max. ② No damage, crack and looseness of parts ③ V.S.W.R 1.5 Max, I/L 1.4dB Max. ④ Isolation 10dB Min.			0	-					
Shock [IEC60068-2-27]			Test 10times at pulse of 6ms and acceleration of 980m/s ² in 3 axial directions				① No electrical discontinuity of 1μs. ② Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max.			0	-					
Vibration [IEC60068-2-6]			Test at frequency between 10 and 500Hz, acceleration of 49m/s ² and amplitude of 0.7mm 1Cycle : 11minutes (1Oct/minute) Test for 24hours in total for 3axial directions (Each 8hours)				③ No damage, crack and looseness of parts. ④ V.S.W.R 1.5 Max, I/L 1.4dB Max. ⑤ Isolation 10dB Min.			0	-					
ENVIRONMENTAL CHARACTERISTICS																
Rapid change of temperature [IEC60068-2-14] (NOTE 1)			Temperature : -40±2 → 15~35℃ → 105±2 → 15~35℃ Time : 30 → 5 → 30 → 5minutes Test 1000cycles				① Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max.			0	-					
Damp heat, cycle [IEC60068-2-38] (NOTE 1)			Expose at temperature of 25±2℃ and humidity of 65% for 25hours Test 10cycles 				② No damage, crack or looseness of parts ③ Insulation resistance : 10MΩ Min. ④ V.S.W.R 1.5 Max, I/L 1.4dB Max. ⑤ Isolation 10dB Min.			0	-					
Remarks conditions for testing					Drawn	Designed	Checked	Approved	Released							
					N.Y.LEE 21.09.08	N.Y.LEE 21.09.08	H.S.KIM 21.09.09	H.S.KIM 21.09.09								
Unless otherwise specified, refer JIS C 5402.																
Note QT: Qualification test AT: Assurance test O: Applicable test																
HIROSE KOREA CO.,LTD.				SPECIFICATION SHEET				Part No. KMS-560A(800)								
Code No.(OLD) CL			Drawing No. ELC4-633454			Code No. CL 6300-7001-6-800			1/2							

Dry heat [IEC60068-2-2] (NOTE 1)	Expose at temperature of 105±2℃ for 1000hours	① Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max. ② No damage, crack or looseness of parts ③ Insulation resistance : 10MΩ Min. ④ V.S.W.R 1.5 Max, I/L 1.4dB Max. ⑤ Isolation 10dB Min.	O	—
Damp and humidity heat (NOTE 1)	Expose at temperature of 85±2℃ and humidity of 85% for 1000hours	① Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max. ② No damage, crack or looseness of parts ③ No evidence of corrosion which affects to operation of connector ④ Insulation resistance : 10MΩ Min. ⑤ V.S.W.R 1.5 Max, I/L 1.4dB Max. ⑥ Isolation 10dB Min.	O	—
Corrosion salt spray [IEC-68-2-11] (NOTE 1)	Expose at temperature of 35±2℃ in salt water of 5±1% for 48hours	① Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max. ② No damage, crack or looseness of parts. ③ No evidence of corrosion which affects to operation of connector.	O	—
Sulfur dioxide test [JIS C 60068-2-42] (NOTE 1)	Expose at concentraion of 10PPM, temperature of 40±2℃ and humidity of 90~95% for 96hours		O	—
Hydrogen sulphide [JIS C 60068-2-43] (NOTE 1)	Expose at concentraion of 10~15PPM, temperature of 40±2℃ and humidity of 90~95% for 96hours		O	—
Dust resistance (NOTE 1)	Kind of dust : JIS R5210 cement of portland, 1.5Kg. Test for 10 seconds every 15minutes Test for 1hour in total	① Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max. ② No damage, crack or looseness of parts. ③ Insulation resistance : 10MΩ Min.	O	—
Resistance to soldering heat	Reflow soldering : Peak temp : 260℃ Max for 30seconds Min. Reflow temp : 180℃ for 60~120seconds Test 3cycles	① No deformation of parts. ② Keep electrical function of soldering.	O	—
COMBINE VIBRATION CHARACTERISTICS				
Combine vibration test (NOTE 1)	Expose at temperature of 85±2℃ and humidity of 90~95% for 120hours Test 120cycles for 3 axial directions (Each 40cycles) 1cycle – 45minute : on, 15minutes : off Vibration acceleration 4.4g (43.12m/s2) Frequency : 20 ~ 200Hz	① No electrical discontinuity of 1μs. ② Contact resistance Center contact : 100mΩ Max. Outer contact : 50mΩ Max. ③ No damage, crack and looseness of parts ④ V.S.W.R 1.5 Max, I/L 1.4dB Max. ⑤ Isolation 10dB Min.	O	—
(NOTE 1) Test the RF switch after mate and unmate 10times. and then measure it after leave it for 2hours. (NOTE 2) Please use this RF switch only for evaluation purposes. The use in so mating probe with RF switch in the on-vehicle environment, set, equipment, etc. interface is not guaranteed				
Note QT: Qualification test AT: Assurance test O: Applicable test				
HIROSE KOREA CO.,LTD.		SPECIFICATION SHEET	Part No. KMS-560A(800)	
Code No.(OLD) CL	Drawing No. ELC4-633454	Code No. CL 6300-7001-6-800	2/2	