


	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
<b>APPLICABLE STANDARD</b>											
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-40°C ~ + 105°C				STORAGE TEMPERATURE RANGE	-40°C ~ +105°C				
	CURRENT	1A				APPLICABLE CABLE	-				
<b>SPECIFICATIONS</b>											
<b>ITEM</b>		<b>TEST METHOD</b>				<b>REQUIREMENTS</b>				<b>QT</b>	<b>AT</b>
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT CONFIRMED VISUALLY				According To Drawing				o	o
<b>ELECTRICAL CHARACTERISTICS</b>											
Contact resistance		Open circuit voltage is AC 20mV, 1kHz Short circuit current is AC 10mA				Initial : 50mΩ Max After : 100mΩ Max				o	-
Insulation resistance		Mate applicable connector and apply a voltage of DC 500 V.				Initial : 100MΩ Min. After : 100MΩ Min.				o	-
Voltage proof		Mate applicable and apply a voltage of AC 500V for 1 min.				No dielectric breakdown.				o	-
<b>MECHANICAL CHARACTERISTICS</b>											
Mechanical operation		10 times, 50 times, and 100 times at a rate of 600 times or less per hour.				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ Insulation resistance : 100MΩ Min. ④ Voltage proof No dielectric breakdown.				o	-
Shock		3 both axial directions, 10 times each, 60 times(Acceleration : 500 m/s <sup>2</sup> Duration : 10ms)				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ No Electrical discontinuity of 10μs.				o	-
Vibration Resistance		Frequency 5 to 600Hz, acceleration of 73m/s <sup>2</sup> , full amplitude of 16.5mm, in 3 axis directions for 8 hours.				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ No Electrical discontinuity of 10μs.				o	-
Locking Force		Apply a force of 100N or less in the direction of the mate axis.				① Be fully assembled. ② No problems after assembly.				o	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>											
Rapid change of temperature		Temperature : -40±2°C → +105±2°C Time : 30min → 30min Above conditions repeated for 500 cycles				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ Insulation resistance : 100MΩ Min.				o	-
Damp heat (Steady state)		Exposed at 85±2°C, 95%, 240Hr				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max ③ Insulation resistance : 100MΩ Min.				o	-
Dry heat		Exposed at 85°C, 105°C, 125°C, 24Hr, 120Hr, 200Hr, 300Hr, 500Hr, 1,000Hr				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max				o	-
Cold		Exposed at -40±2°C, 120Hr				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max				o	-
Corrosion Gas		H <sub>2</sub> S : 10±5 ,NO <sub>2</sub> : 200±5, Cl <sub>2</sub> : 10±5, SO <sub>2</sub> : 200±5 (Unit : ppb) Expose at 21days				① No Damage, Crack And Looseness Of Parts. ② Contact resistance : 100mΩ Max				o	-
<b>REMARKS</b> CONDITIONS FOR TESTING						<b>DRAWN</b>	<b>DESIGNED</b>	<b>CHECKED</b>	<b>APPROVED</b>	<b>RELEASED</b>	
* Note (Note1)Including temperature rise by conducting						S.J MOON 25.10.13	S.J MOON 25.10.13	B.H AN 25.10.13	B.H AN 25.10.13		
<b>NOTE</b> QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST											
<b>HIROSE KOREA CO.,LTD.</b>				<b>SPECIFICATION SHEET</b>				<b>PART NO.</b> <b>KMA01-3.0PCF(800)</b>			
<b>CODE NO.(OLD)</b> CL			<b>DRAWING NO.</b> ELC3-634824-00			<b>CODE NO.</b> CL 6452-0005-7-800			1/1		