	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	11	RE-5-1840	Y.K.G	A.B.H	17.12.12	△					
2	1	RE-5-2286	K.C.J	A.B.H	19.09.11	△					

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-30℃ ~ +85℃(NOTE1)	STORAGE TEMPERATURE RANGE	-40℃ ~ +85℃ -5℃ TO 85℃(WITH PACKING)
	VOLTAGE	AC 10 V	OPERATING OR STORAGE HUMIDITY RANGE	95% MAXIMUM (NON-CONDENSING)
	CURRENT	0.5A		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING	X	X
MARKING	CONFIRMED VISUALLY		X	X
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-1 △1	OPEN VOLTAGE 20 mV AC MAX TEST CURRENT 1mA	INITIALLY 100mΩ MAXIMUM(NOTE 2)	X	-
VOLTAGE PROOF IEC60512-4-1 △1	500Vrms AC IS APPLIED FOR 1 MINUTE	① NO FLASHOVER OR BREAKDOWN ② CURRENT LEAKAGE 1mA MAXIMUM	X	X
INSULATION RESISTANCE IEC60512-3-1 △1	MEASURE WITHIN 1 MINUTE AFTER APPLYING 500V DC	INITIALLY 1000MΩ MINIMUM	X	-
MECHANICAL CHARACTERISTICS				
CARD INSERTION FORCE CARD EJECTION FORCE	MEASURED BY APPLICABLE CARD AT 25±3mm/min	15N MAX (NOTE3)	X	-
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class 1.1	5,000 TIMES INSERTION AND WITHDRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1MINUTE NOTE : AFTER EACH 10 CYCLES STOP THE INSERTION AND REST THE CONNECTOR FOR 5 TO 10 MINUTES. CARD SURFACE SHALL BE CLEANED BY AIR BLOW: AT EACH 100 CYCLES INTERVAL(10 TIMES) FROM START TO 1,000 CYCLES. AT EACH 1,000 CYCLES INTERVAL(4 TIMES) FROM 1,001 CYCLES TO 5,000CYCLES.	① CONTACT RESISTANCE: AFTER TEST 50mΩ MAXIMUM CHANGE (CONTACT RESISTANCE REVERSION BY INSERTION AND EXTRACTION IS AVAILABLE) ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	X	-
VIBRATION AND HIGH FREQUENCY IEC60512-6-4 △1	FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75mm FOR 2h IN 3 DIRECTIONS, TOTAL 6h	① NO ELECTRICAL DISCONTINUITY OF 1us ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS ③ CONTACT RESISTANCE: AFTER TEST 50mΩ MAXIMUM CHANGE	X	-
SHOCK IEC60512-6-3 △1	ACCELERATION 490m/s^2 STANDARD HOLDING TIME 11ms, SEMI-SINE WAVE FOR 3 TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.		X	-

REFERENCE DRAWING

REMARKS CONDITIONS FOR TESTING

(NOTE 1) : INCLUDE THE TEMPERATURE RISE BY CURRENT
(NOTE 2) : CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE UNLESS OTHERWISE SPECIFIED. THE TEST SHOULD BE DONE UNDER TEMP 15 TO 35℃. AIR PRESSURE 86 TO 106kPA, RESLATIVE HUMIDITY 25 TO 85%.
(NOTE 3) : IT MAY BE CHANGED ACCORDING TO THE CARD MATERIAL AND DIMENSIONS.

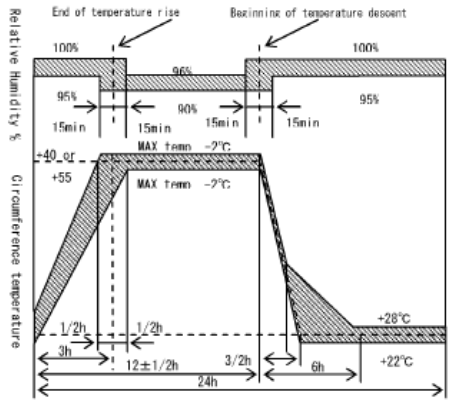
DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
C.K.KIM 14.03.13	C.K.KIM 14.03.13	CHOI.J.H 14.03.13	H.C.SONG 14.03.13	ENG 19.09.11 DEPT

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST

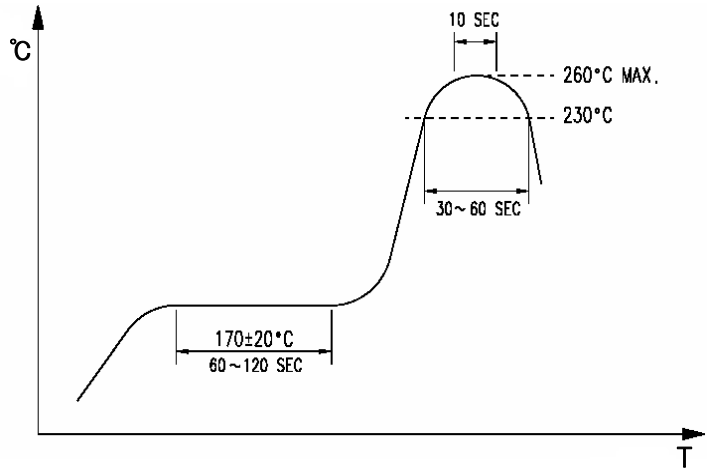
HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET	PART NO. KP10S-SF-PEJ (812)

CODE NO.(OLD)	DRAWING NO.	CODE NO.	
CL	ELC4-631496	CL 6519-0010-0-812	1/2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT CYCLE IEC60512-11-12 △1	10 CYCLES(1CYCLE=24HOURS)WITH CONNECTORS ENGAGED. 	① CONTACT RESISTANCE : AFTER TEST 50mΩ MAXIMUM CHANGE ② INSULATION RESISTANCE : AFTER TEST 100MΩ MINIMUM ③NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	X	–
RAPID CHANGE OF TEMPERATURE IEC60512-11-4 △1	5 CYCLES (1CYCLE = 1HOUR)WITH CARD MATED CONDITION TEMPERATURE : −55℃ TO +85℃		X	–
DRY HEAT IEC60512-11-9 △1	EXPOSED AT 85℃ FOR 96 HOURSWITH CARD MATED CONDITION		X	–
COLD IEC60512-11-10 △1	EXPOSED AT −40℃ FOR 96 HOURSWITH CARD MATED CONDITION		X	–
DAMP HEAT STEADY STATE IEC60512-11-3 △1	EXPOSED AT 40℃ 90 TO 95%RH, 96 HOURS WITH CARD MATED CONDITION		X	–
HYDROGEN SULPHIDE JEIDA 38	EXPOSED IN 3 PPM HYDROGEN SULPHIDE, APPROX. 40℃, 80%RH, 96HOURS		X	–
CORROSION SALT MIST MIL-STD-202 Method 101 △1	EXPOSED AT 35±2℃, 5% SALT WATER SPRAY FOR 48Hr		X	–
RECOMMENDED TEMPERATURE PROFILE	SEE THE FOLLOWING CONDITION, NUMBER OF CYCLE 1 TIME (NOTE3)	NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS. △2	X	–

(NOTE3)



REFERENCE DRAWING

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST

HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET	PART NO. KP10S-SF-PEJ (812)	
CODE NO.(OLD) CL	DRAWING NO. ELC4-631496	CODE NO. CL 6519-0010-0-812	2 2