




APPLICABLE STANDARD						
RATING	VOLTAGE	150V AC	CURRENT	1A		
	OPERATING TEMPERATURE RANGE	-35°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 3)		
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 3)		
	APPLICABLE CONNECTOR	DF13-10 S-1.25C	APPLAICABLE CRIMP CONTACT	DF13-2630SCFA, DF13-3032SCFA		
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
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		100m A (DC OR 1000 Hz).		30mΩ MAX.	X	—
INSULATION RESISTANCE		100V DC.		500MΩ MIN.	X	—
VOLTAGE PROOF		500V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION		50TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→85→ 5 TO 35 °C TIME 30→ 5 TO 15 →30→ 5 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT		1) FLOW SOLDERING 250±5°C MAX, FOR 3 SECONDS. 2) SOLDERING IRONS: :290±10°C, FOR 3 SECONDS		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 215±5°C FOR INSERTION DURATION, 3 SECONDS.		SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	X	—
REMARKS						
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.						
NOTE2:NO CONDENSING.						
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBBOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
						
Unless otherwise specifid , refer to JIS C 5402.				APPROVED	TS. SAKATA	08.12.04
				CHECKED	TS. KUMAZAWA	08.12.03
				DESIGNED	SN. KOBAYASHI	08.12.03
				DRAWN	SN. KOBAYASHI	08.12.03
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-081823-01	
	SPECIFICATION SHEET		PART NO.	DF13-10P-1.25DS (50)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536-0159-9-50		1/1