





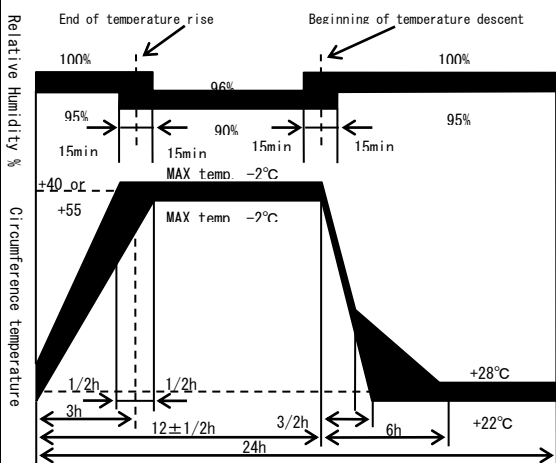


APPLICABLE STANDARD		microSD Memory Card Specifications Ver 1.10					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C (NOTE1)		STORAGE TEMPERATURE RANGE	-40 °C TO +85 °C		
	VOLTAGE	AC 125V		OPERATING HUMIDITY RANGE	95%MAXIMUM (NON-CONDENSING)		
	CURRENT	0.5A					
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
MARKING		CONFIRMED VISUALLY.				X	X
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-2a		OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.		INITIALLY 100 mΩ MAXIMUM (NOTE 2).		X	—
VOLTAGE PROOF IEC60512-2-4a		500 Vrms AC IS APPLIED FOR 1 MINUTE.		①NO FLASHOVER OR BREAKDOWN. ②CURRENT LEAKAGE 1mA MAXIMUM.		X	X
INSULATION RESISTANCE IEC60512-2-3a		MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.		INITIALLY 1000 MΩ MINIMUM.		X	—
MECHANICAL CHARACTERISTICS							
CARD LOCK FORCE  CARD UNLOCK FORCE 		MEASURED BY APPLICABLE CARD AT 25mm/min. 		THE INITIAL STAGE:10 N MAX. AFTER MECHANICAL OPERATION:12N MAX.		X	—
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class1.1		5,000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1 MINUTE.		① CONTACT RESISTANCE: AFTER TEST 40 mΩ 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 IEC60512-4-6d		FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75 mm FOR 4 h IN 3 DIRECTIONS, TOTAL 12 h.		① NO ELECTRICAL DISCONTINUITY OF 100 ns.  ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.		X	—
SHOCK IEC60512-4-6c		ACCELERATION 490m/s <sup>2</sup> STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.				X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
	3	DIS-F-00019281		TY. EDAGAWA		HT. YAMAGUCHI	20231025
REMARK NOTE1:INCLUDE THE TEMPERATURE RISE BY CURRENT. NOTE2:CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE.UNLESS OTHERWISE SPECIFIED, THE TEST SHOULD BE DONE UNDER TEMP. 15 TO 35°C, AIR PRESSURE 86 TO 106kPa, RELATIVE HUMIDITY 25 TO 85%.				APPROVED	KI. AKIYAMA	20100212	
				CHECKED	NH. SUGITA	20100210	
				DESIGNED	TY. EDAGAWA	20100210	
				DRAWN	GO. KAMIMURA	20100209	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-327223-04	
	SPECIFICATION SHEET			PART NO.		DM3CS-SF	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL0609-0032-3-00	 1/2

SPECIFICATIONS							
ITEM	TEST METHOD		REQUIREMENTS	QT	AT		
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT, CYCLIC IEC60512-6-11m	10 CYCLES (1 CYCLE=24 HOURS) WITH CONNECTORS ENGAGED.  		① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAXIMUM CHANGE.  ② INSULATION RESISTANCE: AFTER TEST 100 MΩ MINIMUM.  ③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	X	—		
RAPID CHANGE OF TEMPERATURE IEC60512-6-11d	5 CYCLES (1 CYCLE=1 HOUR) WITH CONNECTORS ENGAGED. TEMPERATURE:-55 TO +85°C					X	—
DRY HEAT IEC60512-6-11i	EXPOSED AT 85 °C FOR 96 HOURS WITH CONNECTORS ENGAGED.					X	—
COLD IEC60512-6-11j	EXPOSED AT -25 °C FOR 96 HOURS WITH CONNECTORS ENGAGED.					X	—
DAMP HEAT, STEADY STATE IEC60512-6-11c	EXPOSED AT 40 °C, 90 TO 95 % RH, 96 HOURS WITH CONNECTORS ENGAGED.					X	—
HYDROGEN SULFIDE JEIDA 38	EXPOSED IN 3 PPM HYDROGEN SULFIDE, APPROX. 40°C, 80% RH, 96 HOURS, WITH CONNECTORS ENGAGED.					X	—
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO. ELC4-327223-04				
HRS	SPECIFICATION SHEET		PART NO.	DM3CS-SF			
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL0609-0032-3-00	1 2/2		