APPLICABLE STANDARD		microSD Memory Card Specifications Ver 1.10		1△
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.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
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).	×	–
VOLTAGE PROOF IEC60512-2-4a	500 Vrms AC IS APPLIED FOR 1 MINUTE.	①NO FLASHOVER OR BREAKDOWN. ②CURRENT LEAKAGE 1mA MAXIMUM.	×	×
INSULATION RESISTANCE IEC60512-2-3a	MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.	INITIALLY 1000 MΩ MINIMUM.	×	–
MECHANICAL CHARACTERISTICS				
CARD INSERTION FORCE CARD EJECTION FORCE	MEASURED BY APPLICABLE CORD AT 25mm/min.	THE INITIAL STAGE:12 N MAX. AFTER MECHANICAL OPERATION:15N MAX.	×	–
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class1.1	10,000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1 MINUTE. NOTE:AFTER EACH 10 CYCLES STOP THE INSRETION 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 STRAT TO 1,000 CYCLES. AT EACH 1,000 CYCLES INTERVAL (9 TIMES) FROM 1,001CYCLES TO 10,000 CYCLES.	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.	×	–
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.	×	–
SHOCK IEC60512-4-6c	ACCELERATION 490m/s^2 STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.		×	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1	1	DIS-F-005087	KA.KANEKO	NH.SUGITA	10.10.07

REMARK
NOTE1: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°C, AIR PRESSURE 86 TO 106kPa, RELATIVE HUMIDITY 25 TO 85%.

APPROVED	KI.AKIYAMA	10.01.25
CHECKED	NH.SUGITA	10.01.25
DESIGNED	KJ.NISHIWAKI	10.01.22
DRAWN	KJ.NISHIWAKI	10.01.22

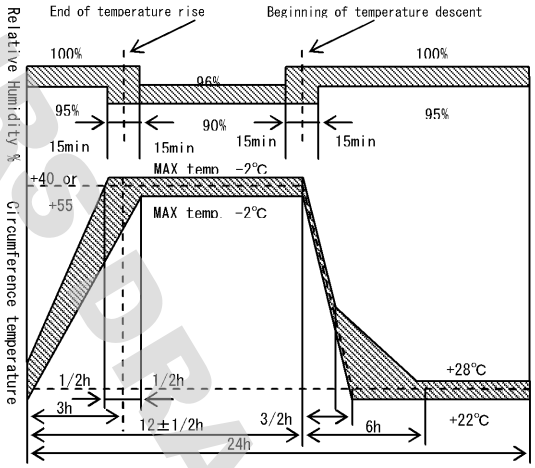
Note QT:Qualification Test AT:Assurance Test
X:Applicable Test

DRAWING NO. ELC4-325165-00

HRS	SPECIFICATION SHEET	PART NO.	DM3AT-SF-PEJM5		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL609-0031-0-00	△1	1/2

FORM HD0011-2-1

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.	×	–
RAPID CHANGE OF TEMPERATURE IEC60512-6-11d	5 CYCLES (1 CYCLE=1 HOUR) WITH CONNECTORS ENGAGED. TEMPERATURE:-55 TO +85℃		×	–
DRY HEAT IEC60512-6-11i	EXPOSED AT 85 ℃ FOR 96 HOURS WITH CONNECTORS ENGAGED.		×	–
COLD IEC60512-6-11j	EXPOSED AT –25 ℃ FOR 96 HOURS WITH CONNECTORS ENGAGED.		×	–
DAMP HEAT, STEADY STATE IEC60512-6-11c	EXPOSED AT 40 ℃, 90 TO 95 % RH, 96 HOURS WITH CONNECTORS ENGAGED.		×	–
HYDROGEN SULFIDE JEIDA 38	EXPOSED IN 3 PPM HYDROGEN SULFIDE, APPROX. 40℃, 80% RH, 96 HOURS, WITH CONNECTORS ENGAGED.		×	–

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO.	ELC4-325165-00		
HRS	SPECIFICATION SHEET	PART NO.	DM3AT-SF-PEJM5
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL609-0031-0-00 ⚠ 2/2

FORM HD0011-2-2