

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	OPEN VOLTAGE 20 mV AC MAX. MILLIVOLT LEVEL METHOD TEST CURRENT 1mA.	INITIALLY 100 MΩ MAXIMUM (NOTE 2).	X	-
VOLTAGE PROOF	500 Vrms AC IS APPLIED FOR 1 MINUTE.	①NO FLASHOVER OR BREAKDOWN. ②CURRENT LEAKAGE 1mA MAXIMUM.	X	X
INSULATION RESISTANCE	MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.	INITIALLY 1000 MΩ MINIMUM.	X	-
MECHANICAL CHARACTERISTICS				
CARD INSERTION FORCE	MEASURED BY APPLICABLE CORD AT 25mm/min.	THE INITIAL STAGE:12 N MAX. AFTER MECHANICAL OPERATION:15N MAX.	X	-
CARD EJECTION FORCE				
MECHANICAL OPERATION	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 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 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.	X	-
VIBRATION AND HIGH FREQUENCY	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	ACCELERATION 490m/s ² STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.		X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1	DIS-F-005063	KA. KAMEKO	NH. SUGITA	10.09.27
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%.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-158563-00	
HRS		SPECIFICATION SHEET	PART NO.	DM3BT-DSF-PEJS
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL609-0029-9-00
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SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS DAMP HEAT, CYCLIC IEC60512-6-11m	10 CYCLES (1 CYCLE=24 HOURS) WITH CONNECTORS ENGAGED. End of temperature rise Beginning of temperature descent 	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.	ELG4-158563-00		
	SPECIFICATION SHEET	PART NO.	DM3BT-DSF-PEJS	
HIROSE ELECTRIC CO., LTD.	CODE NO	GL609-0029-9-00		2/2