



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 3)
RATING	OPERATING TEMPERATURE RANGE	-40°C TO + 85°C (NOTE 1) △	
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE 2)	40% TO + 70% (NOTE 3)
	VOLTAGE	250V AC	DF11-*0S-2C
CURRENT	AWG24 : 2A AWG26 : 2A AWG28 : 1A	APPLICABLE CABLE	AWG24~28

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	100mA (DC OR 1000 Hz)	30mΩ MAX.	X	-

MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION 50 TIMES INSERTIONS AND EXTRACTIONS.				
CONTACT INSERTION AND EXTRACTION FORCE	D0.5±0.002 BY STEEL GAUGE.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
LANGE STRENGTH	MEASURE MAX VALUE UNDER THE FOLLOWING METHOD: APPLY WIRE TENSILE STRENGTH AT THE SPEED OF MAX 30mm/min WITH CONNECTOR FIXED, UNTIL CONTACT OR CRIMP CASE BREAK DOWN.	INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN 11.7N MIN	X	-
CLIMP TENSILE STRENGTH	MEASURE MAX VALUE UNDER THE FOLLOWING METHOD: APPLY WIRE TENSILE STRENGTH TO CAULKING AREA AXIALLY UNTIL WIRE BECOME LOOSEN OR BREAKDOWN.	AWG24 35N MIN (11 CORES / 0.16 mm) AWG26 24N MIN (7 CORES / 0.16 mm) AWG28 16N MIN (7 CORES / 0.127 mm)	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 ms 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→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② 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 NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	-
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96h	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION.	X	-

REMARKS

NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT

NOTE 2:NO CONDENSING

NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1		DIS-H-008540	M.I. SAKIMURA	HK. UMEHARA	14.02.26
Unless otherwise specified , refer to IEC 60512.					
Note		QT:Qualification Test	AT:Assurance Test	X:Applicable Test	

HRS	SPECIFICATION SHEET		PART NO.	DF11-2428S0FA (04)
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0550-0-04
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