



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!



## Contact us

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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
△					△				

APPLICABLE STANDARD		250V AC		CURRENT		3A	
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)		STORAGE TEMPERATURE RANGE	-10°C TO +60 °C(NOTE3)		
	OPERATING HUMIDITY RANGE	20% TO 80%(NOTE2)		STORAGE HUMIDITY RANGE	20% TO 70%(NOTE3)		
	APPLICABLE CONNECTOR	DF1B-*S-2.5R					

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100mA (DC OR 1000 Hz).	30mΩ MAX.	×	—
INSULATION RESISTANCE	500V DC.	1000MΩ MIN.	×	—
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—

<b>MECHANICAL CHARACTERISTICS</b>				
CONTACT INSERTION AND EXTRACTION FORCES		INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.4N MIN	×	—
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs.	×	—
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →5 TO 35 →+85→5 TO35°C TIME 30 →10 TO 15 →30 →10 TO15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—

REMARKS NOTE1: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 PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. Unless otherwise specified, refer to JIS C 5402	Drawn	Designed	Checked	Approved	Released
	<i>T. Kumagawa</i>	<i>T. Kumagawa</i>	<i>T. Miyagaki</i>	<i>T. Oae</i>	
	04.03.05	04.03.05	04.03.08	04.03.09	

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

<b>HRS</b>	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	DF1B-*P-2.5DS(01)
CODE NO.(OLD)	DRAWING NO.	ELC4-162412-01	PART NO.	CL541
CL				1/1

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