



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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TO

DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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<b>APPLICABLE STANDARD</b>								
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<b>RATING</b>	<b>VOLTAGE</b>	5 0 V A C	<b>APPLICABLE CONNECTOR</b>	DF23A/G-60DS-0.5V
<b>CURRENT</b>		0. 3 A		

<b>OPERATING TEMPERATURE RANGE</b>	- 3 5 °C TO 8 5 °C(NOTE1)	<b>STORAGE TEMPERATURE RANGE</b>	- 1 0 °C TO 6 0 °C
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<b>INSULATION RESISTANCE</b>	100 V DC.	500 MΩ MIN.
<b>VOLTAGE PROOF</b>	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.

<b>CONTACT RESISTANCE</b>	100 mA (DC OR 1000 Hz).	60 mΩ MAX.
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**ELECTRICAL CHARACTERISTICS**

<b>MARKING</b>	CONFIRMED VISUALLY.	GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	REQUIREMENTS	QT	AT
			ACCORDING TO DRAWING.		X	X

<b>MECHANICAL CHARACTERISTICS</b>						
<b>INSERTION AND WITHDRAWAL FORCES</b>	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 70 N MAX.	EXTRACTION FORCE: 9 N MIN.		X	-
<b>MECHANICAL OPERATION</b>	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX.	② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	-
<b>VIBRATION</b>	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	-
<b>SHOCK</b>	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	-

<b>ENVIRONMENTAL CHARACTERISTICS</b>						
<b>DAMP HEAT (STEADY STATE)</b>	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 60 mΩ MAX.	② INSULATION RESISTANCE: 250 MΩ MIN.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	-
<b>RAPID CHANGE OF TEMPERATURE</b>	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: 60 mΩ MAX.	② INSULATION RESISTANCE: 500 MΩ MIN.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	-
<b>CORROSION SALT MIST</b>	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60 mΩ MAX.	② NO HEAVY CORROSION.		X	-
<b>SULPHUR DIOXIDE</b>	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)	① CONTACT RESISTANCE: 60 mΩ MAX.	② NO HEAVY CORROSION.		X	-

<b>REMARKS</b>	NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		F. Matsuki	<i>T. Yamamoto</i>	<i>T. Sabeika</i>	<i>T. Sabeika</i>	
	Unless otherwise specified, refer to JEC60512	'03.12.04	'03.12.4	'03.12.4	'03.12.4	

<b>HIROSE</b>	HIROSE ELECTRIC CO., LTD.	<b>SPECIFICATION SHEET</b>	<b>PART NO.</b>	DF23C-60DP-0.5V(92)
CODE NO.(OLD)	DRAWING NO.	ELC4-164007-01	CODE NO.	CL688-0805-9-92
CL				FORM No.231-1

