



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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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 80 °C	STORAGE TEMPERATURE RANGE	— °C TO — °C
	VOLTAGE	125 V AC	CURRENT	500 mA

**SPECIFICATIONS**

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

**ELECTRIC CHARACTERISTICS**

CONTACT RESISTANCE	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	200 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

**MECHANICAL CHARACTERISTICS**

MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 5 μs. ② CONTACT RESISTANCE: 220 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>

**ENVIRONMENTAL CHARACTERISTICS**

DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: 220 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 10 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55±3 → 5 TO 35 → 85±2 → 5 TO 35°C TIME 30 TO 35→5 MAX→30 TO 35→5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 220 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS,	<input type="radio"/>	<input type="radio"/>
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260±5 °C FOR IMMERSION, DURATION, 5±1 s. (WHEN USING FLOW SOLDER)	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	<input type="radio"/>	<input type="radio"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<p align="center"><b>FOR REFERENCE ONLY</b></p> <p align="center">Subject to change without notice</p> <p>Unless otherwise specified, refer to JIS E-5402.</p>				
<p>Note QT: Qualification Test AT: Assurance Test ○: Applicable Test</p>					

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	<b>SPECIFICATION SHEET</b>		PART NO.
			TM5RJ1-66
CODE NO.(OLD)	DRAWING NO.	CODE NO.	1/2
CL	ELC4-023898	CL222-1245-7	

TO  
Q2  
  
USA

## SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE, 235±5 °C FOR IMMERSION, DURATION, 2±0.5 s. (WHEN USING FLOW SOLDER)	NO DEFORMATION IN APPEARANCE OR SOLDERLESS ON CONTACT SURFACE ETC.	○	—

REMARKS  <p style="text-align: center;"><b>FOR REFERENCE ONLY</b></p> <p style="text-align: center;"><b>Subject to change without notice</b></p> <p style="text-align: center;">Unless otherwise specified, refer to JIS C 5402.</p>	DRAWN <i>H. Watanabe</i>	DESIGNED <i>H. Watanabe</i>	CHECKED <i>J. Watanabe</i>	APPROVED <i>J. Watanabe</i>	RELEASED <b>HRS</b> 2 24 03 <b>USA</b>
	11.1.1	8.1.1	98.7.9	98.7.9	

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test		
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CODE NO.(OLD) CL	DRAWING NO. ELC4-023898	CODE NO. CL222-1245-7
		2/2

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