



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



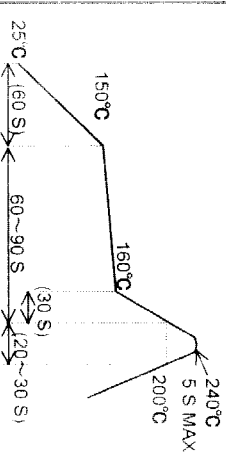
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	J.M	m/d	99.7.29					

APPLICATION STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE
		-55 °C TO 85 °C	-10 °C TO 60 °C
RATING VOLTAGE		AC 50 V	OPERATING HUMIDITY RANGE
CURRENT		0.3 A	RELATIVE HUMIDITY (NO DEW CONDENSATION IS PERMITTED)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	Q/T	A/T
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT	ACCORDING TO DRAWING		<input type="checkbox"/>
MARKING	CONFIRMED VISUALLY.			<input type="checkbox"/>
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	60 mΩ MAX.		<input type="checkbox"/>
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.		<input type="checkbox"/>
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		<input type="checkbox"/>
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 69.6 N MAX. WITHDRAWAL FORCE: 2.9 N MIN.		<input type="checkbox"/>
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.		<input type="checkbox"/>
VIBRATION	FREQUENCY: 10 TO 55 Hz. SINGLE AMPLITUDE: 0.75 mm, ... m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF PART. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART		<input type="checkbox"/>
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	1) NO DAMAGE, CRACK AND LOOSENESS OF PART		<input type="checkbox"/>

ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.		<input type="checkbox"/>
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→-15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.	3) NO DAMAGE, CRACK AND LOOSENESS OF PART.		<input type="checkbox"/>
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART		<input type="checkbox"/>
COLD	EXPOSED AT -55 °C, 96 h.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART		<input type="checkbox"/>
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.		<input type="checkbox"/>
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.		<input type="checkbox"/>
RESISTANCE TO SOLDERING HEAT	REFLOW RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.		<input type="checkbox"/>



SOLDERABILITY		DESIGNED	CHECKED	APPROVED	RELEASED
SOLDERED AT SOLDER TEMPERATURE. 235 °C FOR IMMERSION DURATION, 2 s		NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.			<input type="checkbox"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	S. Kitajima 99.05.25	J. Matsukawa 99.05.25	M. Ishida 99.05.26	Y. Yoshimura 99.05.27	

NOTE Q1: QUALIFICATION TEST AT ASSURANCE TEST O: APPLICABLE TEST

HRS HIROSE ELECTRIC CO., LTD. **SPECIFICATION SHEET** PART NO. **FX11LA - 116S - SV**

CODE NO.(OLD)	DRAWING NO.	CODE NO.	1
CL	ELC4 - 152118-	CL 573 - 0144 - 1	1



TO
PCK