

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 ①	
OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C ①		OPERATING HUMIDITY RANGE	
RATING		50 V AC		95 % RH MAX.	
CURRENT		0.3 A		(NO DEW CONDENSATION IS PERMITTED)	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	Q/T	AT	
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		X X X
MARKING		CONFIRMED VISUALLY.			X X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	60 m Ω MAX.	X	-	
INSULATION RESISTANCES	100 V DC	100 M Ω MIN.	X	-	
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCE	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 90 N MAX. WITHDRAWAL FORCE: 6 N MIN.	X	-	
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 70 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75 mm, AT 10 CYCLES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μ s MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
SHOCK	490 ms ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	-	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 \pm 2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 70 m Ω MAX. ② INSULATION RESISTANCE: 100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 \rightarrow +15 \rightarrow +35 \rightarrow +85 \rightarrow +15 \rightarrow +35 \rightarrow C TIME 30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 min. UNDER 5 CYCLES.		X	-	
DRY HEAT	EXPOSED AT 85 °C, 96 h. EXPOSED AT -55 °C, 96 h.	① CONTACT RESISTANCE: 70 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	-	
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)	① CONTACT RESISTANCE: 70 m Ω MAX. ② NO HEAVY CORROSION.	X	-	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X	-	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240 \pm 3 \circ C, FOR IMMERSION DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.	X	-	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△					
REMARK ① TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ② THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to JIS C 5402.					
Note Q/T:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-152094-22	
HRS		SPECIFICATION SHEET		PART NO. FX11LA-100P/10-SV (92)	
		HIROSE ELECTRIC CO., LTD.		CODE NO. GL573-0004-2-92	
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