



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



In case that the application demands a high level of reliability, such as automotive, please contact a company representative for further information.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURES RANGE	-30°C TO 105°C (OPER)			STORAGE TEMPERATURE RANGE	-40°C TO +105°C					
	VOLTAGE	250 V AC			CURRENT	3 A					
SPECIFICATIONS				REQUIREMENTS							
ITEM	TEST METHOD				QT AT						
CONSTRUCTION											
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.							
MARKING	CONFIRMED VISUALLY.										
ELECTRICAL CHARACTERISTICS											
CONTACT RESISTANCE	1 A DC.				SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX						
CONTACT RESISTANCE	20 mV AC MAX, 0.1 mA (DC OR 1000 Hz)				SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX						
MILLIVOLT LEVEL METHOD				1000 MΩ MIN.							
INSULATION RESISTANCE	500 V DC				NO FLASHOVER OR BREAKDOWN.						
VOLTAGE PROOF	650 V AC FOR 1 MIN										
MECHANICAL CHARACTERISTICS											
CONTACT INSERTION AND EXTRACTION FORCES	8.3×9.0 BY STEEL GAUGE.			INSERTION FORCE 6.5 N MAX. EXTRACTION FORCE 0.1~6.5 N MIN.							
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX							
VIBRATION	FREQUENCY 20 TO 200 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ① NO ELECTRICAL DISCONTINUITY OF 10 μs.							
SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/s ² AT 1 h			② CONTACT RESISTANCE: SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX							
LOCK STRENGTH	APPLYING A PULL FORCE THE MATING AXIALLY AT 98 N MAX.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ① DURING APPLYING, MATING COMPLETELY. ② AFTER APPLYING, NO DEFECT OF MATING PARTS.							
ENVIRONMENTAL CHARACTERISTICS											
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 TO 95 %, 500 h.			① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX							
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5 TO 35 → 85 → 5 TO 35 °C TIME 30 → 5 → 30 → 5 MIN UNDER 1000 CYCLES.			② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX							
DRY HEAT	EXPOSED AT 105 °C, 300 h.			② NO DAMAGE, CRACK AND LOOSENESS OF PART. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX							
COLD	EXPOSED AT -55 °C, 120 h.			② NO HEAVY CORROSION. ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX							
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.			② NO HEAVY CORROSION. ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX							
RESISTANCE TO HSO ³ GAS	EXPOSED IN 500 PPM FOR 8 h.			② NO HEAVY CORROSION. ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX							
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.			② NO DEFORMATION IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.							
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230 °C FOR IMMERSION DURATION, 3 s.			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.							
REMARKS											
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.				DRAWN		DESIGNED		CHECKED		APPROVD	
NOTE2 APPLICABLE BOARD:1.6±0.2.				S. KURIYA		T. SHISHI		K. Aoto		K. Aoto	
NOTES OVER 500 CYCLES:120mΩ MAX. (OUTER CONTACT ONLY)				06.4.14		06.4.17		06.4.18		06.4.18	
Note QT:Qualification Test AT:Assurance Test O:Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. GT17VB-6DP-DS (70)			
CODE NO. (OLD)		DRAWING NO.		CODE NO.		CODE NO.				1/1	
		ELC4-165530-01		CL767-0032-2-70							
TO											

