



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



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| TO | |
| PCK | |

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | |
|---|-----------------------------|---|-----------------|-----------------|---|--------------------------|---------------------------------|-----------|-----------|---|
| APPLICATION STANDARD | | | | | | | | | | |
| | OPERATING TEMPERATURE RANGE | -55 °C TO +85 °C | | | | | | | | |
| | VOLTAGE | 200V AC | | | | | | | | |
| | CURRENT | 1 A | | | | | | | | |
| SPECIFICATIONS | | | | | | | | | | |
| ITEM | TEST METHOD | | | | | | REQUIREMENT | QT | AT | |
| GENERAL EXAMINATION | | VISUALLY AND BY MEASURING INSTRUMENT. | | | | | ACCORDING TO DRAWING | | X | X |
| MARKING | | CONFIRMED VISUALLY | | | | | | | X | X |
| ELECTRICAL CHARACTERISTICS | | | | | | | | | | |
| CONTACT RESISTANCE | | 100 mA (DC OR 1000 Hz) | | | 15 mW MAX. | | | X | | |
| INSULATION RESISTANCE | | 500 V DC | | | 1000 MW/MIN. | | | X | | |
| VOLTAGE PROOF | | 650 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN | | | X | | |
| MECHANICAL CHARACTERISTICS | | | | | | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | | D0.635±0.002mm BY STEEL GAUGE | | | INSERTION FORCE: 3.43 N MAX EXTRACTION FORCE: 0.39 N MIN | | | X | | |
| MECHANICAL OPERATION | | 500 TIMES INSERTIONS AND EXTRactions. | | | 1) CONTACT RESISTANCE: 15 mW MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | X | | |
| VIBRATION | | FREQUENCY: 10 TO 55 Hz, TOTAL AMPLITUDE 1.5 mm, FOR 2 h IN 3 DIRECTIONS. | | | 1) NO ELECTRICAL DISCONTINUITY OF 1 ms 2) NO DAMAGE, CRACK AND LOOSENESS | | | X | | |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms FOR 2 TIMES IN 3 DIRECTIONS. | | | | | | X | | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | | |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40±2 °C, 90~95 %, 96 h. | | | 1) CONTACT RESISTANCE: 15 mW MAX. 2) INSULATION RESISTANCE: 1000 MW/MIN. | | | X | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→MAX 5 → 30 → MAX 5 min. UNDER 5 CYCLES. | | | 3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | X | | |
| CORROSION SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | | 1) CONTACT RESISTANCE: 15 mW MAX. 2) NO HEAVY CORROSION. | | | X | | |
| REMARKS | | | | | | | | | | |
| | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | | | | |
| | | <i>K. Kingyo</i> | <i>H. Obara</i> | <i>H. Obara</i> | <i>J. Yoshimura</i> | | | | | |
| | | 01.06.12 | 01.06.13 | 01.06.13 | 01.06.13 | | | | | |
| UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344 | | | | | | | | | | |
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST | | | | | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | SPECIFICATION SHEET | | | PART NO. | | BA HIF3 BB - * * D-2.54R | | | |
| CODE NO.(OLD) CL | | DRAWING NO. ELC4-084252 | | CODE NO. CL 610 | | | | | | |
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