

## TYPE KAH

Type KAH micro fuse is designed for circuit protection against excessive current in portable electronic equipment, electronic circuit around battery, etc. because the demand for high capacity batteries is increasing.

Further miniaturization and low profile with extended rated range can be used for wider application.

Also, the ecology design of Type KAH is friendly to environment due to complete lead free.

## FEATURES

1. 5-face terminals structure ensure superior performance of shear strength (10 N for 5-face terminals, 5 N for conventional type).
2. With new development of micro fuse using our original production method, Type KAH, size 1005 can ensure same fusing characteristics of size 1608 of our Type KAB.
3. Complete lead-free Type KAH is designed friendly to environment.
4. UL file number E170721. (UL248-1 & 14)
5. Surface temperature rise is 75° C or less when applying rated current. This offers less influence on the peripheral units.
6. 1005 is the Ultra-small size. (1.0 x 0.5 x 0.35 mm)
7. Suitable for automatic mounting
8. Precise dimensions allows high-density mounting and symmetrical construction of terminals provide "Self-Alignment".
9. Resistance to soldering heat : Reflow or flow soldering 10 seconds at 260° C
10. High accuracy carrier tape by using pressed pocket paper ensures excellent mounting.

## RATING

| Item                       | Ratings   |
|----------------------------|---|
| Category Temperature Range | - 40~+125° C  |
| Rated Current              | 0.2-0.25-0.315-0.4-0.5-0.63-0.8-1.0-1.25-1.6-2.0-2.5A           |
| Rated Voltage              | 24 VDC  |
| Voltage Drop               | Refer to CATALOG NUMBERS AND RATING                             |
| Insulation Resistance      | 1000 MΩ or more   |
| Fusing Characteristics     | Fusing within 1 minute if the current is 200% of rated current. |
| Clearing Characteristics   | Breaking voltage : 24 V   |
|                            | Breaking current : 50 A   |

## ORDERING INFORMATION

| KAH  |      |     | 2402 |               |  | 102  |               |  | NA   |                | 07   |           |
|------|------|-----|------|---------------|--|------|---------------|--|------|----------------|------|-----------|
| Type | Code | RV  | Code | Rated current |  | Code | Rated current |  | Code | Packaging type | Code | Case size |
| KAH  | 2402 | 24V | 201  | 0.2 A         |  | 801  | 0.8 A         |  | NA   | 180 Reel       | 07   | 1.0×0.5   |
|      |      |     | 251  | 0.25 A        |  | 102  | 1.0 A         |  |      |                |      |           |
|      |      |     | 321  | 0.315 A       |  | 132  | 1.25 A        |  |      |                |      |           |
|      |      |     | 401  | 0.4 A         |  | 162  | 1.6 A         |  |      |                |      |           |
|      |      |     | 501  | 0.5 A         |  | 202  | 2.0 A         |  |      |                |      |           |
|      |      |     | 631  | 0.63 A        |  | 252  | 2.5 A         |  |      |                |      |           |

## CATALOG NUMBERS AND RATING

November, 2010

| Catalog number   | Case size | Rated current A | Internal resistance mΩ (Typical) | Voltage drop mV (Max.) | Rated voltage VDC | Breaking current A |
|------------------|-----------|-----------------|----------------------------------|------------------------|-------------------|--------------------|
| KAH 2402 201□□07 | 1.0 × 0.5 | 0.2             | 1148                             | 350                    | 24                | 50                 |
| KAH 2402 251□□07 | 1.0 × 0.5 | 0.25            | 797                              | 300                    |                   |                    |
| KAH 2402 321□□07 | 1.0 × 0.5 | 0.315           | 548                              | 260                    |                   |                    |
| KAH 2402 401□□07 | 1.0 × 0.5 | 0.4             | 372                              | 225                    |                   |                    |
| KAH 2402 501□□07 | 1.0 × 0.5 | 0.5             | 261                              | 195                    |                   |                    |
| KAH 2402 631□□07 | 1.0 × 0.5 | 0.63            | 181                              | 170                    |                   |                    |
| KAH 2402 801□□07 | 1.0 × 0.5 | 0.8             | 125                              | 150                    |                   |                    |
| KAH 2402 102□□07 | 1.0 × 0.5 | 1.0             | 90                               | 135                    |                   |                    |
| KAH 2402 132□□07 | 1.0 × 0.5 | 1.25            | 65                               | 120                    |                   |                    |
| KAH 2402 162□□07 | 1.0 × 0.5 | 1.6             | 46                               | 110                    |                   |                    |
| KAH 2402 202□□07 | 1.0 × 0.5 | 2.0             | 35                               | 110                    |                   |                    |
| KAH 2402 252□□07 | 1.0 × 0.5 | 2.5             | 27                               | 110                    |                   |                    |

For the taping type, the packaging code "NA" will be entered in □□

Catalog numbers are approved by UL and cUL. (File No. E170721)













