

### Low Resistance Resettable Fuse PTC SMD1210 Series

#### Features

RoHS Compliant & Halogen Free

faster tripping, 1210 Dimension, Surface mountable, Solid state

Operation Current: 1.5A~7.5A

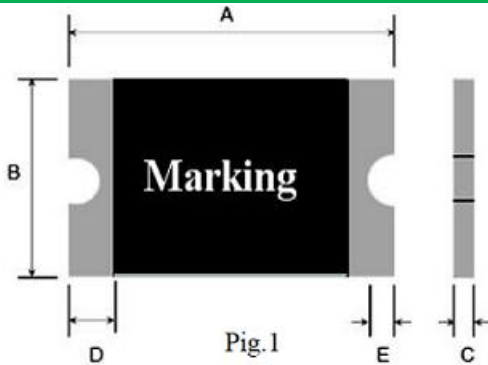
Maximum Voltage: 6V / 12Vdc

Operating Temperature: -40°C to +85°C

Agency recognition: 



#### Dimensions(3225mm/ 1210 mils) Unit: mm



Terminal pad materials :Tin-Plated Nickle-copper  
Terminal pad solderability : Meets EIA specification  
RS 186-9E and ANSI/J-STD-002 Category 3.

| Part number        | Marking | A   |      | B    |     | C   |     | D    | E   | Certification |     | Delivery Time |         |
|--------------------|---------|-----|------|------|-----|-----|-----|------|-----|---------------|-----|---------------|---------|
|                    |         | Min | max  | Min  | Max | Min | Max | Min  | Min | UL            | TUV | in stock      | Produce |
| JK-SMD1210-150L    | JC      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-150L-12 | JC      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-175L    | JC      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-175L-12 | JC      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-190L    | JD      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-190L-12 | JD      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-200L    | JD      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-200L-12 | JD      | 3.0 | 3.43 | 2.35 | 2.8 | 0.3 | 0.7 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-260L    | JL      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.0 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-260L-12 | JL      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.0 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-300L    | JL      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.0 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-300L-12 | JL      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.0 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-350L    | JO      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.2 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-350L-12 | JO      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.2 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |

Dimensions(3225mm/ 1210 mils) Unit: mm

| Part number        | Marking | A   |      | B    |     | C   |     | D    | E   | Certification |     | Delivery Time |         |
|--------------------|---------|-----|------|------|-----|-----|-----|------|-----|---------------|-----|---------------|---------|
|                    |         | Min | max  | Min  | Max | Min | Max | Min  | Min | UL            | TUV | in stock      | Produce |
| JK-SMD1210-380L    | JO      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.2 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-380L-12 | JO      | 3.0 | 3.43 | 2.35 | 2.8 | 0.4 | 1.2 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-400L    | JR      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.2 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-400L-12 | JR      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.2 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-450L    | JR      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.4 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-450L-12 | JR      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.4 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-500L    | JP      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.4 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-500L-12 | JP      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.4 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-550L    | JP      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.4 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-550L-12 | JP      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.4 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-600L    | JT      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-600L-12 | JT      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-650L    | JT      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-650L-12 | JT      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-700L    | JX      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-700L-12 | JX      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-750L    | JX      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |
| JK-SMD1210-750L-12 | JX      | 3.0 | 3.43 | 2.35 | 2.8 | 0.5 | 1.6 | 0.25 | 0.1 | -             | -   | 3days         | 18days  |

Electrical characteristics(25°C)

| Part Number        | I <sub>Hold</sub> | I <sub>Trip</sub> | V <sub>max</sub> | I <sub>max</sub> | P <sub>d</sub> Max | Maximum Time to Trip |          | Resistance (Ω)    |                   | Certification |     | Delivery Time |         |
|--------------------|-------------------|-------------------|------------------|------------------|--------------------|----------------------|----------|-------------------|-------------------|---------------|-----|---------------|---------|
|                    | A                 | A                 | DC               | A                | W                  | Current (A)          | Time (S) | R <sub>imin</sub> | R <sub>1max</sub> | UL            | TUV | in stock      | Produce |
|                    | JK-SMD1210-150L   | 1.5               | 3.0              | 6V               | 50                 | 0.8                  | 8.0      | 2.0               | 0.01              | 0.06          | -   | -             | 3days   |
| JK-SMD1210-150L-12 | 1.5               | 3.0               | 12V              | 50               | 0.8                | 8.0                  | 2.0      | 0.01              | 0.06              | -             | -   | 3days         | 18days  |
| JK-SMD1210-175L    | 1.75              | 3.5               | 6V               | 50               | 0.8                | 8.0                  | 2.0      | 0.005             | 0.04              | -             | -   | 3days         | 18days  |
| JK-SMD1210-175L-12 | 1.75              | 3.5               | 12V              | 50               | 0.8                | 8.0                  | 2.0      | 0.005             | 0.04              | -             | -   | 3days         | 18days  |
| JK-SMD1210-190L    | 1.9               | 3.8               | 6V               | 50               | 0.8                | 8.0                  | 3.0      | 0.006             | 0.037             | -             | -   | 3days         | 18days  |
| JK-SMD1210-190L-12 | 1.9               | 3.8               | 12V              | 50               | 0.8                | 8.0                  | 3.0      | 0.006             | 0.037             | -             | -   | 3days         | 18days  |
| JK-SMD1210-200L    | 2.0               | 4.0               | 6V               | 50               | 0.8                | 8.0                  | 3.0      | 0.006             | 0.035             | -             | -   | 3days         | 18days  |
| JK-SMD1210-200L-12 | 2.0               | 4.0               | 12V              | 50               | 0.8                | 8.0                  | 3.0      | 0.006             | 0.035             | -             | -   | 3days         | 18days  |

Electrical characteristics(25°C)

| Part Number        | I <sub>Hold</sub> | I <sub>Trip</sub> | V <sub>max</sub> | I <sub>max</sub> | P <sub>d</sub> Max | Maximum Time to Trip |          | Resistance (Ω)    |                   | Certification |     | Delivery Time |         |
|--------------------|-------------------|-------------------|------------------|------------------|--------------------|----------------------|----------|-------------------|-------------------|---------------|-----|---------------|---------|
|                    | A                 | A                 | DC               | A                | W                  | Current (A)          | Time (S) | R <sub>imin</sub> | R <sub>1max</sub> | UL            | TUV | in stock      | Produce |
| JK-SMD1210-260L    | 2.6               | 5.2               | 6V               | 50               | 0.8                | 13.0                 | 2.0      | 0.003             | 0.025             | -             | -   | 3days         | 18days  |
| JK-SMD1210-260L-12 | 2.6               | 5.2               | 12V              | 50               | 0.8                | 13.0                 | 2.0      | 0.003             | 0.025             | -             | -   | 3days         | 18days  |
| JK-SMD1210-300L    | 3.0               | 6.0               | 6V               | 50               | 0.8                | 15.0                 | 2.0      | 0.003             | 0.02              | -             | -   | 3days         | 18days  |
| JK-SMD1210-300L-12 | 3.0               | 6.0               | 12V              | 50               | 0.8                | 15.0                 | 2.0      | 0.003             | 0.02              | -             | -   | 3days         | 18days  |
| JK-SMD1210-350L    | 3.5               | 7.0               | 6V               | 50               | 0.8                | 17.5                 | 2.0      | 0.002             | 0.018             | -             | -   | 3days         | 18days  |
| JK-SMD1210-350L-12 | 3.5               | 7.0               | 12V              | 50               | 0.8                | 17.5                 | 2.0      | 0.002             | 0.018             | -             | -   | 3days         | 18days  |
| JK-SMD1210-380L    | 3.8               | 7.6               | 6V               | 50               | 0.8                | 19.0                 | 2.0      | 0.002             | 0.016             | -             | -   | 3days         | 18days  |
| JK-SMD1210-380L-12 | 3.8               | 7.6               | 12V              | 50               | 0.8                | 19.0                 | 2.0      | 0.002             | 0.016             | -             | -   | 3days         | 18days  |
| JK-SMD1210-400L    | 4.0               | 8.0               | 6V               | 50               | 0.8                | 20.0                 | 2.0      | 0.002             | 0.014             | -             | -   | 3days         | 18days  |
| JK-SMD1210-400L-12 | 4.0               | 8.0               | 12V              | 50               | 0.8                | 20.0                 | 2.0      | 0.002             | 0.014             | -             | -   | 3days         | 18days  |
| JK-SMD1210-450L    | 4.5               | 9.0               | 6V               | 50               | 1.0                | 22.5                 | 2.0      | 0.001             | 0.013             | -             | -   | 3days         | 18days  |
| JK-SMD1210-450L-12 | 4.5               | 9.0               | 12V              | 50               | 1.0                | 22.5                 | 2.0      | 0.001             | 0.013             | -             | -   | 3days         | 18days  |
| JK-SMD1210-500L    | 5.0               | 10                | 6V               | 50               | 1.0                | 25.0                 | 2.0      | 0.001             | 0.012             | -             | -   | 3days         | 18days  |
| JK-SMD1210-500L-12 | 5.0               | 10                | 12V              | 50               | 1.0                | 25.0                 | 2.0      | 0.001             | 0.012             | -             | -   | 3days         | 18days  |
| JK-SMD1210-550L    | 5.5               | 11                | 6V               | 50               | 1.0                | 27.5                 | 2.0      | 0.001             | 0.011             | -             | -   | 3days         | 18days  |
| JK-SMD1210-550L-12 | 5.5               | 11                | 12V              | 50               | 1.0                | 27.5                 | 2.0      | 0.001             | 0.011             | -             | -   | 3days         | 18days  |
| JK-SMD1210-600L    | 6.0               | 12                | 6V               | 50               | 1.2                | 30.0                 | 2.0      | 0.001             | 0.010             | -             | -   | 3days         | 18days  |
| JK-SMD1210-600L-12 | 6.0               | 12                | 12V              | 50               | 1.2                | 30.0                 | 2.0      | 0.001             | 0.010             | -             | -   | 3days         | 18days  |
| JK-SMD1210-650L    | 6.5               | 13                | 6V               | 50               | 1.2                | 32.5                 | 2.0      | 0.001             | 0.009             | -             | -   | 3days         | 18days  |
| JK-SMD1210-650L-12 | 6.5               | 13                | 12V              | 50               | 1.2                | 32.5                 | 2.0      | 0.001             | 0.009             | -             | -   | 3days         | 18days  |
| JK-SMD1210-700L    | 7.0               | 14                | 6V               | 50               | 1.2                | 35.0                 | 2.0      | 0.001             | 0.008             | -             | -   | 3days         | 18days  |
| JK-SMD1210-700L-12 | 7.0               | 14                | 12V              | 50               | 1.2                | 35.0                 | 2.0      | 0.001             | 0.008             | -             | -   | 3days         | 18days  |
| JK-SMD1210-750L    | 7.5               | 15                | 6V               | 50               | 1.2                | 37.5                 | 2.0      | 0.001             | 0.007             | -             | -   | 3days         | 18days  |
| JK-SMD1210-750L-12 | 7.5               | 15                | 12V              | 50               | 1.2                | 37.5                 | 2.0      | 0.001             | 0.007             | -             | -   | 3days         | 18days  |

I<sub>hold</sub> = Hold Current. Maximum current device will not trip in 25°C still air.

I<sub>trip</sub> = Trip Current. Minimum current at which the device will always trip in 25°C still air.

R<sub>imin/max</sub> = Minimum/Maximum device resistance prior to tripping at 25°C.

R<sub>1max</sub> = Maximum device resistance is measured one hour post reflow.

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