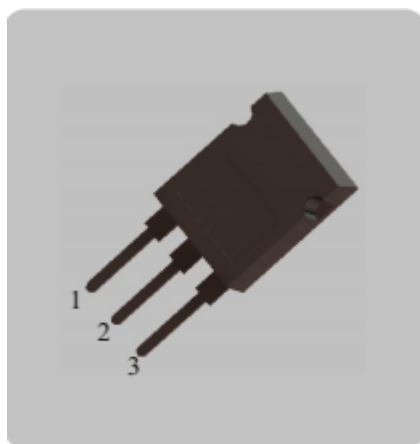




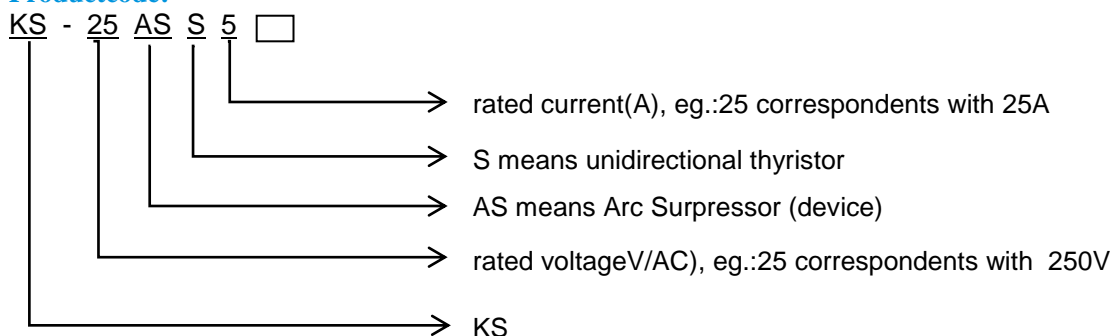
The ASS-Series: Arc Suppressing Devices for AC circuits, rated current from 5A to 200A



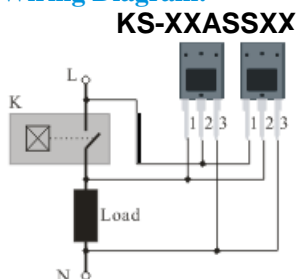
General:

The ASS-series arc-free AC components have been developed by KS to avoid problems with arcs that have been a long-standing issue with mechanical switches such as relays and push-button switches. These are newly developed patented products, which are used for arc suppression and are suitable for mechanical switches of different AC-current circuits. By means of these products, the electrical life of the switches can be considerably lengthened, an increase in the switching capacity and the voltage load capacity of the respective main circuit can be achieved and the maintenance effort can be significantly reduced. These products are environmentally friendly "green" products.

Productcode:



Wiring Diagram:



Caution :

1. ASS series products are not suitable for switch are suppressing of DC load control.
2. When used in the occasion with voltage surge, we suggest to connect a overvoltage protection circuit in the 1,2 pins of this device, such as connect a voltage dependent resistor or RC absorbed circuit in parallel.
3. need two device used in the same time.
4. According to customer needs , pin 1 can be connected with a fuse-link in series, the rated current of fuse-link can be chosen among 1/3 to 1/2 of the load current.



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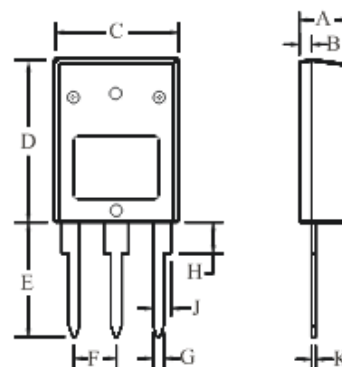
Products Design Table:

| Models | Current(A/DC) | Construction | Withstand-voltage value(V/DC) | |
|-------------|---------------|--------------|-------------------------------|-----|
| KS-12ASS5 | 5 | To247 | 120 | |
| KS-12ASS10 | 10 | | | |
| KS-12ASS20 | 20 | | | |
| KS-12ASS30 | 30 | | | |
| KS-12ASS40 | 40 | To3p | | |
| KS-12ASS60 | 60 | | | |
| KS-12ASS80 | 80 | To3plus | | |
| KS-12ASS100 | 100 | | | |
| KS-12ASS125 | 125 | | | |
| KS-12ASS160 | 160 | | | |
| KS-12ASS200 | 200 | To247 | | 250 |
| KS-25ASS5 | 5 | | | |
| Models | Current(A/DC) | Construction | Withstand-voltage value(V/DC) | |
| KS-25ASS10 | 10 | To247 | 250 | |
| KS-25ASS20 | 20 | | | |
| KS-25ASS30 | 30 | | | |
| KS-25ASS40 | 40 | | | |
| KS-25ASS60 | 60 | To3p | | |
| KS-25ASS80 | 80 | | | |
| KS-25ASS100 | 100 | To3plus | | |
| KS-25ASS125 | 125 | | | |
| KS-25ASS160 | 160 | | | |
| KS-25ASS200 | 200 | | | |
| KS-45ASS5 | 5 | To247 | | 450 |
| KS-45ASS10 | 10 | | | |
| KS-45ASS20 | 20 | | | |
| KS-45ASS30 | 30 | | | |
| KS-45ASS40 | 40 | To3p | | |
| KS-45ASS60 | 60 | | | |
| KS-45ASS80 | 80 | To3plus | | |
| KS-45ASS100 | 100 | | | |
| KS-45ASS125 | 125 | | | |
| KS-45ASS160 | 160 | | | |

Notes: working temperature range -25~85(°C);

Products Dimension Table:

| Ref. | Dimensions | | | |
|------|-------------|------|--------|-------|
| | Millimeters | | Inches | |
| | Min. | Max. | Min | Max. |
| A | 6.3 | 6.5 | 0.248 | 0.255 |
| B | 1.5 | 1.7 | 0.059 | 0.066 |
| C | 15.6 | 16.0 | 0.614 | 0.629 |
| D | 20.6 | 21.0 | 0.811 | 0.826 |
| E | 14.5 | 14.9 | 0.570 | 0.586 |
| F | 5.1 | 5.5 | 0.200 | 0.216 |
| G | 1.3 | 1.5 | 0.051 | 0.059 |
| H | 3.9 | 4.1 | 0.153 | 0.161 |



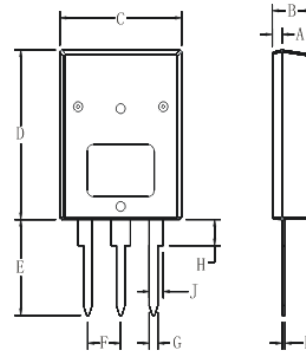
TO-247



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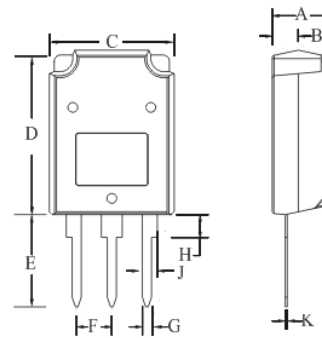
| | | | | |
|---|-----|-----|-------|-------|
| J | 2.2 | 2.4 | 0.086 | 0.094 |
| K | 0.4 | 0.6 | 0.015 | 0.023 |

| Ref. | Dimensions | | | |
|------|-------------|------|--------|-------|
| | Millimeters | | Inches | |
| | Min. | Max. | Min | Max. |
| B | 6.3 | 6.5 | 0.248 | 0.255 |
| A | 1.5 | 1.7 | 0.059 | 0.066 |
| C | 19.8 | 20.2 | 0.779 | 0.795 |
| D | 25.8 | 26.2 | 1.015 | 1.031 |
| E | 14.5 | 14.9 | 0.570 | 0.586 |
| F | 5.1 | 5.5 | 0.200 | 0.216 |
| G | 1.3 | 1.5 | 0.051 | 0.059 |
| H | 3.9 | 4.1 | 0.153 | 0.161 |
| J | 2.2 | 2.4 | 0.086 | 0.094 |
| K | 0.4 | 0.6 | 0.015 | 0.023 |



T03P

| Ref. | Dimensions | | | |
|------|-------------|------|--------|-------|
| | Millimeters | | Inches | |
| | Min. | Max. | Min | Max. |
| A | 9.1 | 9.5 | 0.358 | 0.374 |
| B | 3.8 | 4.2 | 0.149 | 0.165 |
| C | 19.0 | 19.4 | 0.748 | 0.764 |
| D | 25.1 | 25.5 | 0.988 | 1.004 |
| E | 14.0 | 14.4 | 0.551 | 0.567 |
| F | 5.2 | 5.6 | 0.205 | 0.220 |
| G | 1.3 | 1.5 | 0.051 | 0.059 |
| H | 3.4 | 3.8 | 0.134 | 0.150 |
| J | 2.2 | 2.4 | 0.086 | 0.094 |
| K | 0.25 | 0.35 | 0.010 | 0.014 |



T03PLUS