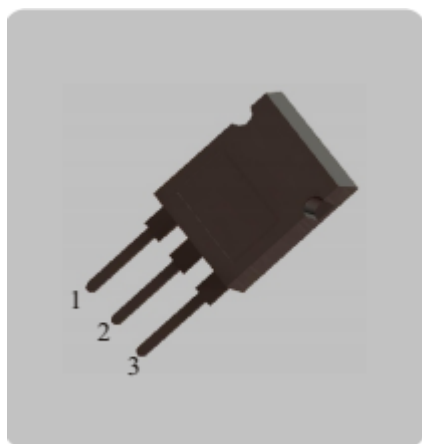




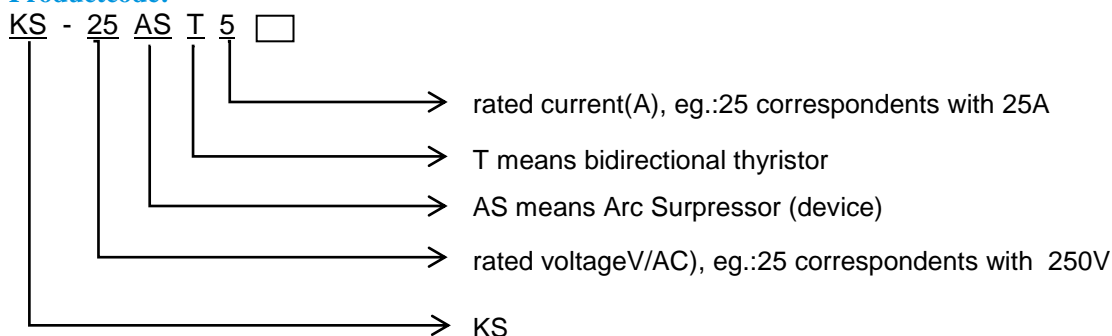
The AST-Series: Arc Suppressing Devices for AC circuits, rated current from 5A to 200A



General:

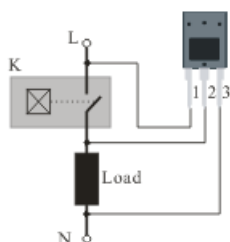
The AST-series arc-free AC components have been developed by KS to avoid problems with arcs that have been a long-standing issue with mechanical switches such as relays and push-button switches. These are newly developed patented products, which are used for arc suppression and are suitable for mechanical 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:

KS-XXASTXX



Caution :

- 1.AST 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.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.



Appel Innovation Ltd., Reg. No.: 2458246
 1A-1L Tung Choi Street, 20F Witty Commercial Bldg., Mong Kok, Kowloon, Hong Kong
 email: contact@appelinnovation.com, website: <http://www.appelinnovation.com>

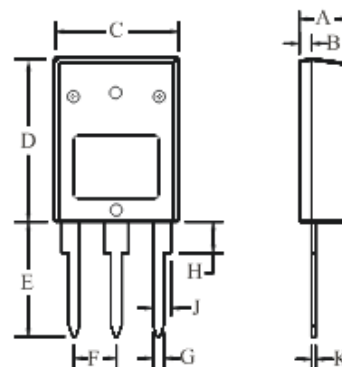
Products Design Table:

Models	Current(A/DC)	Construction	Withstand-voltage value(V/DC)	
KS-12AST5	5	To247	120	
KS-12AST10	10			
KS-12AST20	20			
KS-12AST30	30			
KS-12AST40	40	To3p		
KS-12AST60	60			
KS-12AST80	80	To3plus		
KS-12AST100	100			
KS-12AST125	125			
KS-12AST160	160			
KS-12AST200	200	To247		250
KS-25AST5	5			
Models	Current(A/DC)	Construction	Withstand-voltage value(V/DC)	
KS-25AST10	10	To247	250	
KS-25AST20	20			
KS-25AST30	30			
KS-25AST40	40	To3p		
KS-25AST60	60			
KS-25AST80	80	To3plus		
KS-25AST100	100			
KS-25AST125	125			
KS-25AST160	160			
KS-25AST200	200	To247		450
KS-45AST5	5			
KS-45AST10	10			
KS-45AST20	20			
KS-45AST30	30			
KS-45AST40	40			
KS-45AST60	60			
KS-45AST80	80			
KS-45AST100	100	To3p		
KS-45AST125	125			
KS-45AST160	160			
KS-45AST160	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



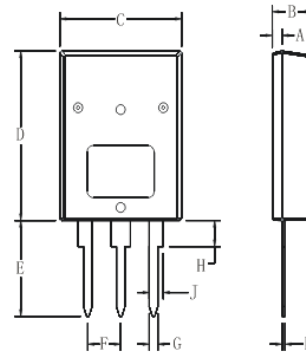
T0-247



Appel Innovation Ltd., Reg. No.: 2458246
 1A-1L Tung Choi Street, 20F Witty Commercial Bldg., Mong Kok, Kowloon, Hong Kong
 email: contact@appelinnovation.com, website: <http://www.appelinnovation.com>

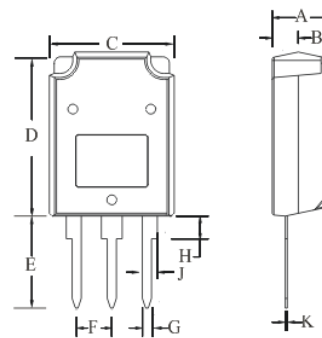
H	3.9	4.1	0.153	0.161
J	2.2	2.4	0.086	0.094
K	0.4	0.6	0.015	0.023

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