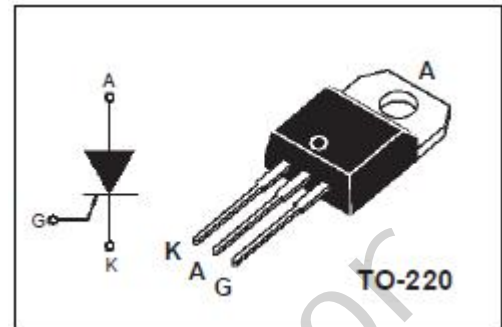


**APPLICATIONS**

- It is suitable to fit all modes of control found in applications such as overvoltage crowbar protection, motor control circuits in power tools and kitchen aids, in-rush current limiting circuits, capacitive discharge ignition, voltage regulation circuits etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

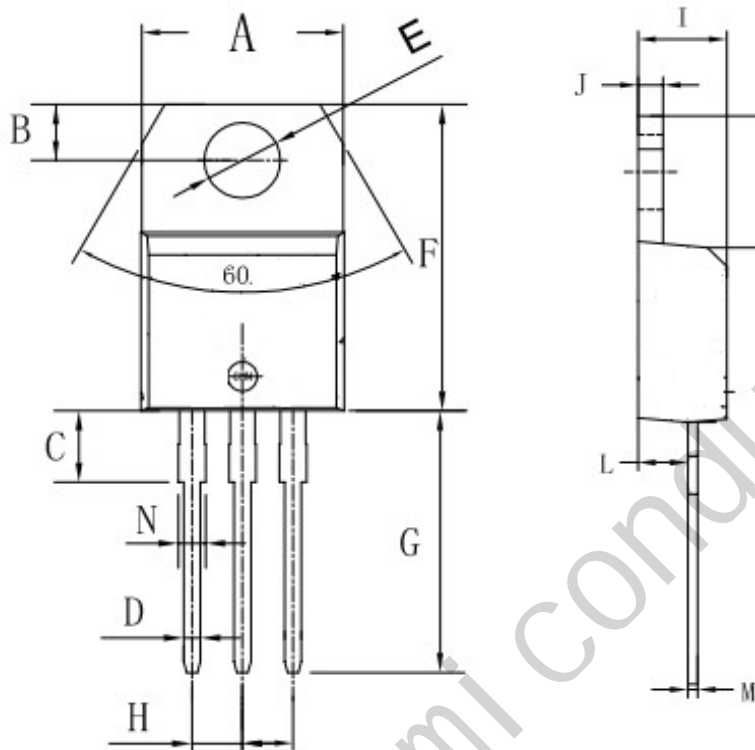

**ABSOLUTE MAXIMUM RATINGS (T<sub>a</sub>=25°C)**

SYMBOL	PARAMETER		MIN	UNIT	
V <sub>DRM</sub>	Repetitive peak off-state voltage		600	V	
V <sub>RRM</sub>	Repetitive peak reverse voltage		600	V	
I <sub>T(RMS)</sub>	RMS on-state current	@T <sub>c</sub> =90°C	16	A	
I <sub>T(AV)</sub>	Average on-state current	@T <sub>c</sub> =100°C	6.4	A	
I <sub>TSM</sub>	Surge non-repetitive on-state current		T <sub>p</sub> =8.3ms	200	A
			T <sub>p</sub> =10ms	190	
T <sub>j</sub>	Operating junction temperature		-40~125	°C	
T <sub>stg</sub>	Storage temperature		-40~150	°C	

**ELECTRICAL CHARACTERISTICS (T<sub>c</sub>=25°C unless otherwise specified)**

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I <sub>RRM</sub>	Repetitive peak reverse current	V <sub>RRM</sub> Rated	T <sub>j</sub> =25°C T <sub>j</sub> =110°C		0.01 2	mA
I <sub>DRM</sub>	Repetitive peak off-state current	V <sub>DRM</sub> Rated	T <sub>j</sub> =25°C T <sub>j</sub> =110°C		0.01 2	mA
V <sub>TM</sub>	On-state voltage	I <sub>TM</sub> = 20A; T <sub>p</sub> =380 μs			1.6	V
I <sub>GT</sub>	Gate-trigger current	V <sub>D</sub> = 12 V; R <sub>L</sub> =33 Ω			15	mA
V <sub>GT</sub>	Gate-trigger voltage	V <sub>D</sub> = 12 V; R <sub>L</sub> =33 Ω			1.5	V
R <sub>th(j-c)</sub>	Thermal resistance	Junction to case			2.5	°C/W

## 外形尺寸图 / Package Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	9.8	10.4	0.385	0.409
B	2.65	3.1	0.104	0.122
C	2.8	4.2	0.110	0.165
D	0.7	0.92	0.027	0.036
E	3.75	3.95	0.147	0.155
F	14.8	16.1	0.582	0.633
G	13.05	13.6	0.513	0.535
H	2.4	2.7	0.094	0.106
I	4.38	4.61	0.172	0.181
J	1.15	1.36	0.045	0.053
K	5.85	6.82	0.230	0.268
L	2.35	2.75	0.092	0.108
M	0.35	0.65	0.013	0.025
N	1.18	1.42	0.046	0.055