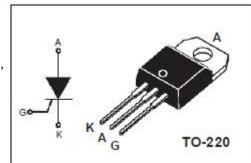


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APPLICATIONS

- 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(Ta=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	400	V
V_{RRM}	Repetitive peak reverse voltage	400	V
I _{T(RMS)}	RMS on-state current	10	Α
I _{TSM}	Surge non-repetitive on-state current @60Hz	100	Α
P _{G(AV)}	Average gate power dissipation	0.5	W
Tj	Operating junction temperature	-40~100	$^{\circ}$
T _{stg}	Storage temperature	-40~150	$^{\circ}$ C

ELECTRICAL CHARACTERISTICS (T_C=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _{RM} =V _{RRM}	T _j =25℃		10	μA
			Tj=100℃		2	mA
I_{DRM}	Repetitive peak off-state current	V _{DM} =V _{DRM}	T _j =25℃		10	μA
			T _j =100℃		2	mA
V_{TM}	On-state voltage	I _{TM} = 30A;T _C =25℃		2	V	
I _{GT}	Gate-trigger current	V _D =12V; R _L =30 Ω		15	mA	
V_{GT}	Gate-trigger voltage	V _D =12V; R _L =30 Ω		1.5	V	
R _{th(j-c)}	Thermal resistance	Junction to case		2	°C/W	

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