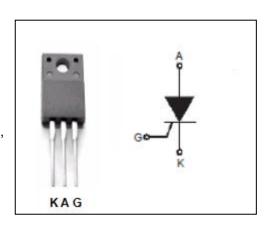


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APPLICATIONS

- 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)

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)								
SYMBOL	PARAMETER	MIN	UNIT					
V_{DRM}	Repetitive peak off-state voltage	1200	V					
V_{RRM}	Repetitive peak reverse voltage	1200	V					
I _{T(AV)}	Average on-stage current	16	Α					
$I_{T(RMS)}$	RMS on-state current	25	А					
I _{TSM}	Surge non-repetitive on-state current T _P =10ms	300	Α					
$P_{G(AV)}$	Average gate power dissipation over any 20 ms period		W					
Tj	Operating junction temperature	-40~125	$^{\circ}$					
T _{stg}	Storage temperature	-40~150	$^{\circ}$ C					



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ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _{RM} =V _{RRM}	T _j =25℃		0.5	mA
	repetitive peak reverse earrent		T _j =125℃		10	mA
I _{DRM}	Repetitive peak off-state current	V _{DM} =V _{DRM}	T _j =25℃		0.5	mA
			T _j =125℃		10	mA
V _{TM}	On-state voltage	I _{TM} = 16A			1.25	V
I _{GT}	Gate-trigger current	V _D = 6 V;resistive load			45	mA
V _{GT}	Gate-trigger voltage	V _D = 6 V;resistive load			2	V
R _{th(j-c)}	Thermal resistance	Junction to case			1.5	°C/W

NOTICE:

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