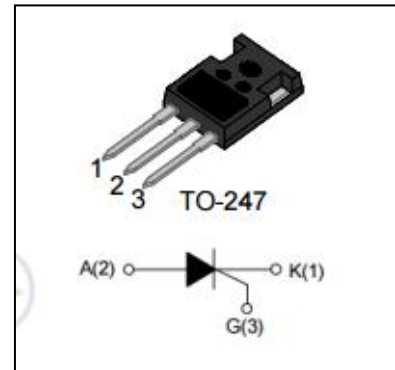


APPLICATIONS

- 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_a=25°C)

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-state current	80	A
I _{T(RMS)}	RMS on-state current	126	A
I _{TSM}	Surge non-repetitive on-state current	900	A
	T _P =10ms		
P _{G(AV)}	Average gate power dissipation	0.5	W
T _j	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~150	°C

ELECTRICAL CHARACTERISTICS ($T_c=25^\circ\text{C}$ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I_{RRM}	Repetitive peak reverse current	$V_{RM}=1200\text{V}$	$T_j=25^\circ\text{C}$		50	μA
			$T_j=125^\circ\text{C}$		5	mA
I_{DRM}	Repetitive peak off-state current	$V_{DM}=1200\text{V}$	$T_j=25^\circ\text{C}$		50	μA
			$T_j=125^\circ\text{C}$		5	mA
V_{TM}	On-state voltage	$I_{TM}=80\text{A}$			1.4	V
I_{GT}	Gate-trigger current	$V_D=6\text{V}$			38	mA
V_{GT}	Gate-trigger voltage	$V_D=6\text{V}$			1.5	V
$R_{th(j-c)}$	Thermal resistance	Junction to case			0.2	$^\circ\text{C/W}$

NOTICE:

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