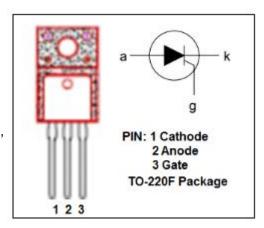


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APPLICATIONS

- It is suitable to fit all modes of control found in applications such as over voltage 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℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak reverse voltage	600	V
I _{T(AV)}	Average on-stage current T _C =105℃	8	Α
I _{T(RMS)}	RMS on-state current $T_C=105^{\circ}C$	12	Α
P _{G(AV)}	Average gate power dissipation $T_j=125^{\circ}$ C	1	W
Tj	Operating junction temperature	-40~125	$^{\circ}$
T _{stg}	Storage temperature	-40~150	$^{\circ}$

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

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	$V_{RM}=V_{RRM},R_{GK}=220\Omega$,	T _j =25℃		5	μ A
			Tj=125℃		2	mA
I _{DRM}	Repetitive peak off-state current	$V_{DM}=V_{DRM}$, $R_{GK}=220 \Omega$	T _j =25°C		5	μ Α
			T _j =25℃		2	mA
V_{TM}	On-state voltage	I _{TM} = 24A			1.6	V
I _{GT}	Gate-trigger current	V _D = 12V; R _L =33Ω		2	15	mA
V_{GT}	Gate-trigger voltage	$V_D = 12V; R_L = 33\Omega$			1.3	V
I _H	Holding current	I _⊤ = 0.5A; Gate Open			30	mA
$R_{\text{th(j-c)}}$	Thermal resistance (DC)	Junction to case			1.3	°C/W



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