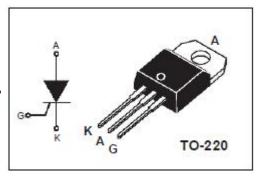


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APPLICATIONS

- 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



SYMBOL	PARAMETER		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	16	A
I _{T(RMS)}	RMS on-state current	25	A
I _{TSM}	Surge non-repetitive on-state current	250	A
$P_{G(AV)}$	Average gate power dissipation	0.5	w
Tj	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~150	°C

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)



INCHANGE SEMICONDUCTOR

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SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	$V_{RM}=V_{RRM}, R_{GK}= 220 \Omega$,	Tj =25 ℃		10	μ Α
			Tj =125 ℃		2	mA
Idrm	Repetitive peak off-state current	V _{DM} =V _{DRM} , ,R _{GK} = 220 Ω	Tj =25 ℃		10	μ Α
			Tj =125 ℃		2	mA
V _{TM}	On-state voltage	I _{тм} = 50А			1.8	V
I _{GT}	Gate-trigger current	V _D = 12 V; RL=100 Ω			30	mA
V _{GT}	Gate-trigger voltage	V _D = 12 V; RL=100 Ω			1.5	V
R _{th(j-c)}	Thermal resistance	Junction to case			1.5	°C/W

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

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