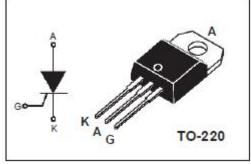


2N6405

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		UNIT
V _{DRM}	Repetitive peak off-state voltage	800	V
V _{RRM}	Repetitive peak reverse voltage	800	V
I _{T(AV)}	Average on-stage current	12	А
I _{T(RMS)}	RMS on-state current	16	А
I _{TSM}	Surge non-repetitive on-state current		А
P _{G(AV)}	Average gate power dissipation		W
Tj	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~150	°C



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SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT				
I _{RRM}	Repetitive peak reverse current	V _{RM} =V _{RRM} ,R _{GK} = 220 Ω ,	Tj =25 ℃		10	μ Α				
			Tj =125 ℃		2	mA				
I _{DRM}	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 _{TM} = 32A			1.7	V				
I _{GT}	Gate-trigger current	V _D = 12 V;R _L =100 Ω			30	mA				
V _{GT}	Gate-trigger voltage	V _D = 12 V;R _L =100 Ω			1.5	V				
R _{th(j-c)}	Thermal resistance	Junction to case			1.5	℃/W				

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



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