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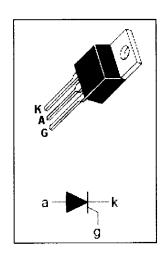
Thyristors

APPLICATIONS

- 8A contimunous on-state current
- · 80A surge-current
- · Glass passivated
- Max I_{GT} of 20mA

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT	
V _{DRM}	Repetitive peak off-state voltage	400	V	
V_{RRM}	Repetitive peak reverse voltage	400	V	
I _{T(AV)}	On-state current Tc=80℃	5	Α	
I _{T(RMS)}	RMS on-state current Tc=80°C	8	Α	
I _{TM}	Surge peak on-state current	80	Α	
P _{GM}	Peak gate power P _W ≤300 μ s	5	w	
P _{G(AV)}	Average gate power	1	W	
Tj	Operating Junction temperature	110	C	
T _{stg}	Storage temperature	-40 ~+125	r	
R _{th(j-c)}	Thermal resistance, junction to case	3	°C/W	
R _{th(j-a)}	Thermal resistance, junction to ambient	62.5	°C/W	



ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _{RM} =V _{RRM} , Tj=110℃			2.0	mA
I _{DRM}	Repetitive peak off-state current	V _{RM} =V _{RRM} , Tj=110℃			2.0	mA
V _{TM}	On-state voltage	I _{TM} = 8A			1.7	V
I _{GT}	Gate-trigger current	V _{AA} =6V; R _L =100 Ω			20	mA
V _{GT}	Gate-trigger voltage	V _{AA} =6V; R _L =100 Ω			1.5	V
IH	Holding current	V _{AA} =6V; R _{GK} =1k Ω ,I _T =100mA			40	mA



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