

isc Triacs BT136S-800

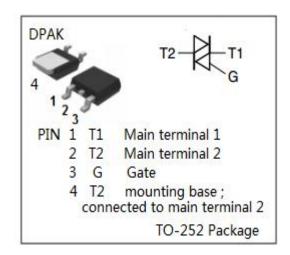
DESCRIPTION

- · High blocking voltage capability
- Surface-mountable package
- Low holding current for low current loads and lowest EMI at commutation.
- Triggering in all four quadrants
- · Very sensitive gate
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

FEATURES



- · General purpose motor control
- General purpose switching



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
I _{T(RMS)}	RMS on-state current (full sine wave;Tmb≤107°C)	4	Α
I _{TSM}	Non-repetitive peak on-state current(Tj=25°C;Tp=20ms)	40	А
l ² t	I ² t for fusing tp=10ms;sine-wave pulse	8	A ² S
dl/dt	Tj=125℃	100	A/us
I_{GM}	Peak gate current	4	Α
P _{G(AV)}	Average gate power dissipation	0.5	W
Tj	Operating junction temperature	-40~125	$^{\circ}$
T _{stg}	Storage temperature	-40~150	$^{\circ}$ C



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ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX				UNIT
I _{GT}	Gate trigger current	I	V_D =12V; I_T = 0.1A, R_L = 100 Ω	Т	Е	С	В	mA
		II		5	10	35	50	
		III						
		IV						
V_{GT}	Gate trigger voltage		V _D =12V; I _T = 0.1A	1.5				V
I _{DRM}	Repetitive peak off-state current		V _D =V _{DRM} , V _D =V _{DRM} , Tj=125°C	5 500				uA
V _{TM}	On-state voltage		I _T = 8A	1.5			V	
lн	Holding current		I _{GT} = 0.5A, V _D = 12V	20			mA	



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