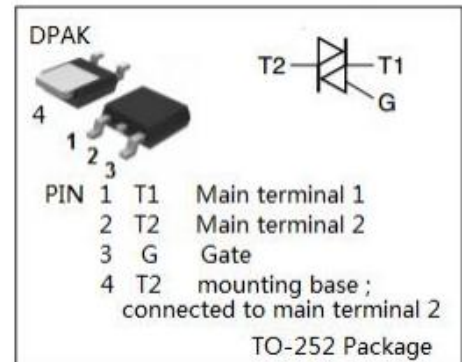


## isc Triacs

## Q8006DH4

### FEATURES

- With TO-252 insulated package
- Suitable for general purpose AC switching. Which can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits. Or for phase control operation in light dimmers, motor speed controllers etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



### ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V <sub>DRM</sub>	Repetitive peak off-state voltage	800	V
V <sub>RRM</sub>	Repetitive peak off-state voltage	800	V
I <sub>T(RMS)</sub>	RMS on-state current (full sine wave)	6	A
I <sub>TSM</sub>	Non-repetitive peak on-state current @50Hz	80	A
T <sub>j</sub>	Operating junction temperature	125	°C
T <sub>stg</sub>	Storage temperature	-40~150	°C
P <sub>GM</sub>	Peak gate power dissipation	18	W
P <sub>G(AV)</sub>	Average gate power dissipation	0.5	W

### ELECTRICAL CHARACTERISTICS (T<sub>c</sub>=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT	
I <sub>RRM</sub>	Repetitive peak reverse current	V <sub>R</sub> =V <sub>RRM</sub> , V <sub>R</sub> =V <sub>RRM</sub> , T <sub>j</sub> =125°C	0.01 2	mA	
I <sub>DRM</sub>	Repetitive peak off-state current	V <sub>D</sub> =V <sub>DRM</sub> , V <sub>D</sub> =V <sub>DRM</sub> , T <sub>j</sub> =125°C	0.01 2	mA	
I <sub>GT</sub>	Gate trigger current	I	V <sub>D</sub> =12V; R <sub>L</sub> = 33 Ω	35	mA
		II			
		III			
I <sub>H</sub>	Holding current	I <sub>GT</sub> = 0.5A, Gate Open	35	mA	
V <sub>GT</sub>	Gate trigger voltage all quadrant	V <sub>D</sub> =12V; R <sub>L</sub> = 33 Ω	1.3	V	
V <sub>TM</sub>	On-state voltage	I <sub>T</sub> = 8A; t <sub>p</sub> = 380 μs	1.6	V	

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