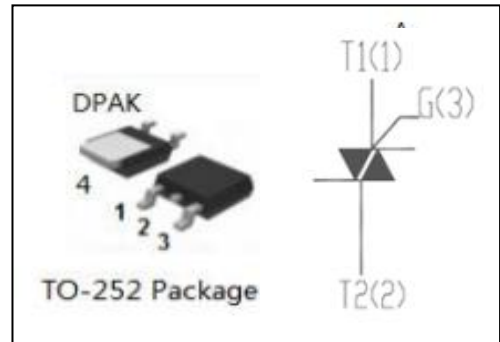


**isc Thyristors**
**Q6008DH4**
**DESCRIPTION**

- With TO-252( DPAK ) un-insulated packaging
- High commutation capability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

**APPLICATIONS**

- Switching applications
- Phase control
- Static switching on inductive or resistive load


**ABSOLUTE MAXIMUM RATINGS(T<sub>a</sub>=25°C)**

SYMBOL	PARAMETER	MAX	UNIT
V <sub>DRM</sub>	Repetitive peak off-state voltage	600	V
V <sub>RRM</sub>	Repetitive peak reverse voltage	600	V
I <sub>T(RSM)</sub>	Average on-state current	8	A
I <sub>TSM</sub>	Surge non-repetitive on-state current	60HZ 85 50HZ 80	A
P <sub>G(AV)</sub>	Average gate power dissipation	0.5	W
T <sub>j</sub>	Operating junction temperature	-40~125	°C
T <sub>stg</sub>	Storage temperature	-40~125	°C

**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> Rated; T <sub>j</sub> =25°C T <sub>j</sub> =100°C T <sub>j</sub> =125°C	0.01	mA	
I <sub>DRM</sub>	Repetitive peak off-state current		V <sub>D</sub> =V <sub>DRM</sub> Rated; 2		
V <sub>TM</sub>	On-state voltage	I <sub>T</sub> =8A	1.6	V	
I <sub>GT</sub>	Gate-trigger current	V <sub>D</sub> = 12V; I <sub>T</sub> =0.1A;	I	35	mA
			II	35	
			III	35	
V <sub>GT</sub>	Gate-trigger voltage	V <sub>D</sub> = 12V; I <sub>T</sub> =0.1A;	1.3	V	

**NOTICE:**

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