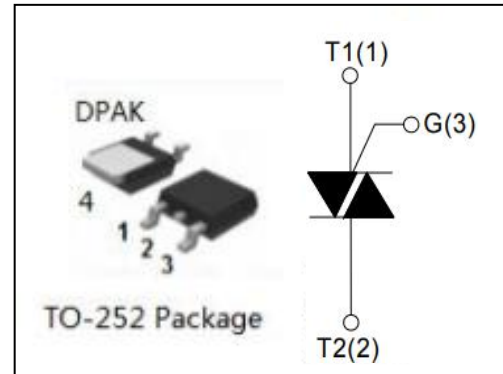


**isc Thyristors**
**T405-600B**
**APPLICATIONS**

• Be suitable for use on AC inductive loads. They are recommended for applications using universal motors, electrovalves.... such as kitchen aid equipments, power tools, dishwashers


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

SYMBOL	PARAMETER	MIN	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(RMS)</sub>	RMS on-state current 180° conduction angle	4	A
I <sub>TSM</sub>	Non-repetitive surge peak on-state current t= 20ms	30	A
P <sub>G(AV)</sub>	Average gate power dissipation	1	W
T <sub>j</sub>	Junction temperature	-40 to + 125	°C
T <sub>stg</sub>	Storage temperature	-40 to + 150	°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>RM</sub> =V <sub>RRM</sub> , V <sub>RM</sub> =V <sub>RRM</sub> , T <sub>J</sub> =125°C	5 1	μ A mA
I <sub>DRM</sub>	Repetitive peak off-state current	V <sub>DM</sub> =V <sub>DRM</sub> , V <sub>DM</sub> =V <sub>DRM</sub> , T <sub>J</sub> =125°C	5 1	μ A mA
V <sub>TM</sub>	On-state voltage	I <sub>TM</sub> = 5.5A, t <sub>p</sub> = 380 μs	1.6	V
I <sub>GT</sub>	Gate-trigger current	V <sub>D</sub> =12V, R <sub>L</sub> =30 Ω	5	mA
V <sub>GT</sub>	Gate-trigger voltage		1.3	V
I <sub>H</sub>	Holding current	I <sub>T</sub> = 100mA	10	mA

**NOTICE:**

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