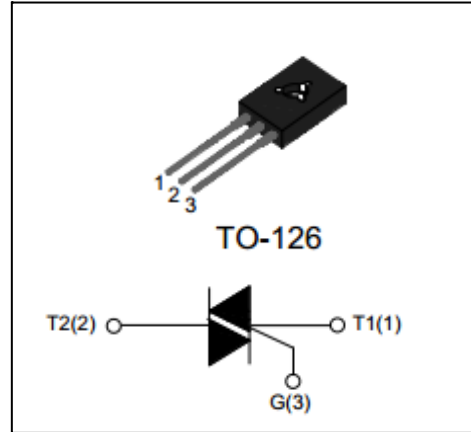


BT134 Triac TO-126 package

●Product features

P<sup>+</sup> on the through diffusion isolation,  
 Single mesa structure (Single Mesa),  
 Table glass passivation process,  
 Gate logic level trigger  
 Application of IC drive directly



●Main Feature (T<sub>j</sub>=25°C)

Symbol	Value	Unit
I <sub>T</sub> (RMS)	2	A
V <sub>DRM</sub> / V <sub>RPM</sub>	600	V
V <sub>TM</sub>	1.5	V

●Electrical characteristics (T<sub>j</sub>=25°C unless otherwise stated)

Symbol	Test Conditions	Value			Unit	
		Min	Type	Max		
I <sub>GT</sub>	V <sub>D</sub> =12V, I <sub>GT</sub> =0.1A	I II III	----	----	3	mA
		IV	----	----	5	
I <sub>DRM</sub>	V <sub>D</sub> =V <sub>DRM</sub>	T <sub>j</sub> =25°C	----	----	10	μ A
		T <sub>j</sub> =125°C	----	----	0.2	mA
I <sub>RPM</sub>	V <sub>D</sub> =V <sub>RPM</sub>	T <sub>j</sub> =25°C	----	----	10	μ A
		T <sub>j</sub> =125°C	----	----	0.2	mA
I <sub>L</sub>	V <sub>D</sub> =12V, I <sub>GT</sub> =0.1A	I II III	----	----	7	mA
		IV	----	----	15	
V <sub>GT</sub>	V <sub>D</sub> =12V	----	----	1.5	V	
V <sub>GD</sub>	V <sub>D</sub> =V <sub>DRM</sub> , T <sub>j</sub> =125°C	0.2	----	----	V	
I <sub>H</sub>	V <sub>D</sub> =12V, I <sub>T</sub> =100mA	----	----	15	mA	
V <sub>TM</sub>	I <sub>TM</sub> =5A, tp=380 μ s	----	----	1.6	V	
dV/dt	V <sub>D</sub> =67% V <sub>DRM</sub> , GateOpen, T <sub>j</sub> =125°C	30	----	----	v/ μ s	

●Measure of package

TO-126

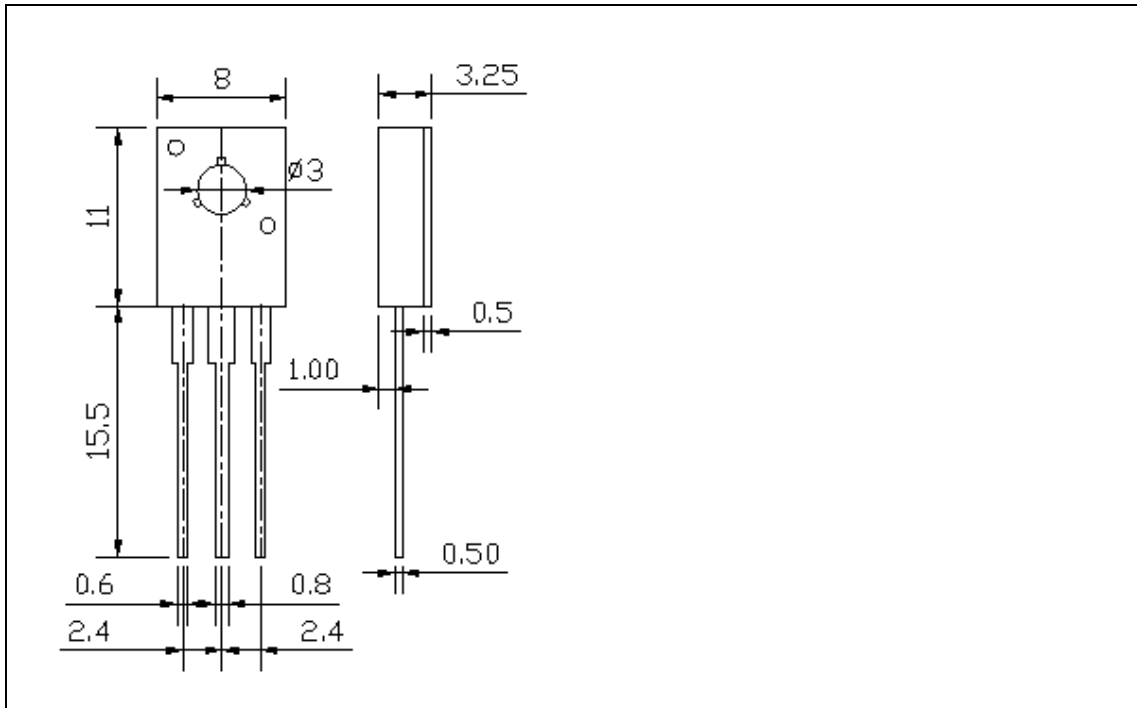


FIG.1 Maximum power dissipation  
【versus RMS on-state current

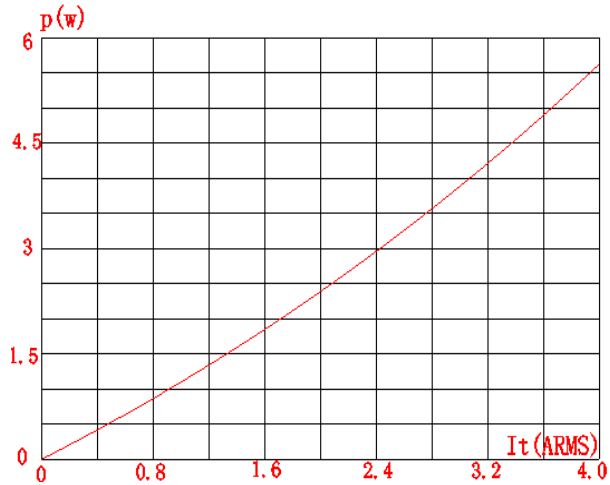


FIG.3: Surge peak on-state current versus number of cycles

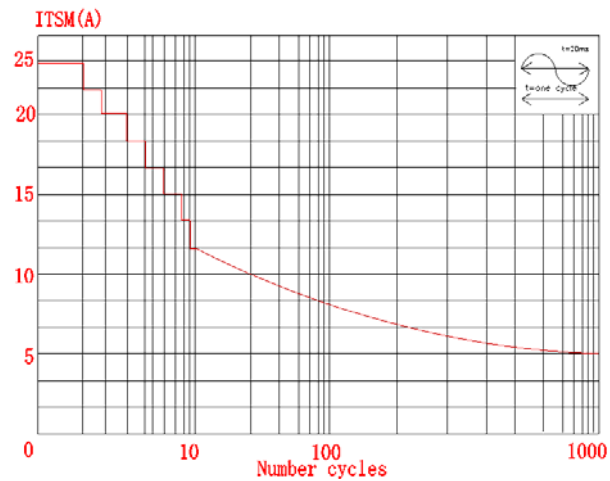


FIG.5: Non-repetitive surge peak on-state current for a sinusoidal pulse with width  $t_p < 20\text{ms}$ , and corresponding value of  $I^2 t$  ( $dI/dt < 10\text{A}/\mu\text{s}$ )

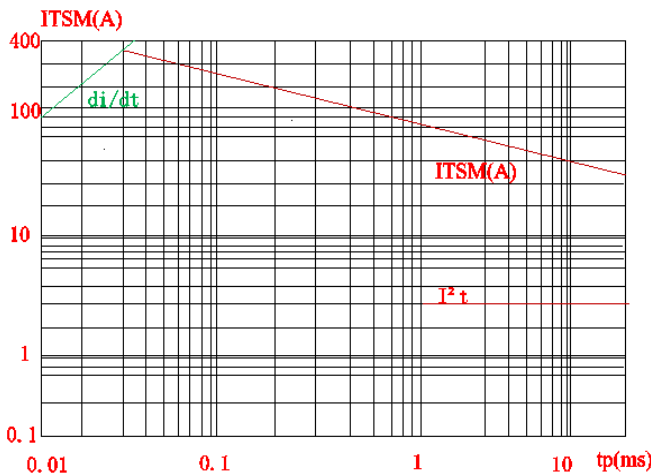


FIG.2: RMS on-state current versus case temperature  
IT(RMS) A

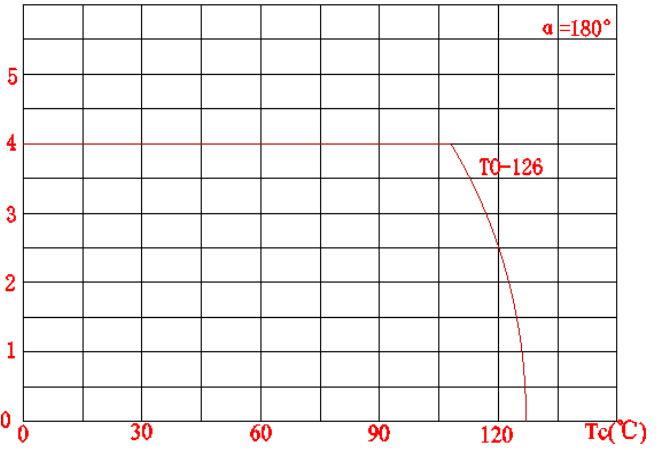


FIG.4: On-state characteristics (maximum values)

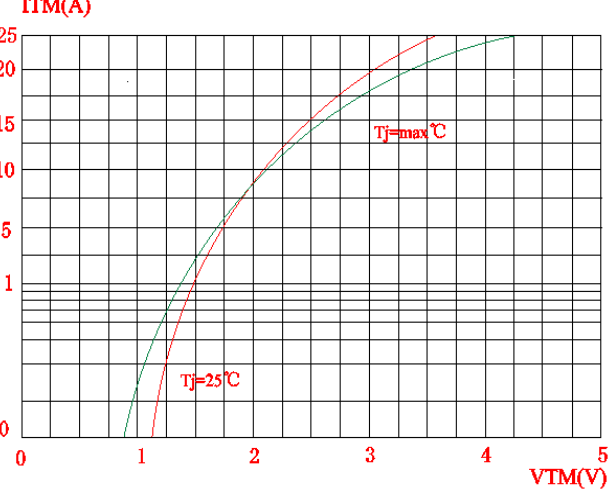


FIG.6: Relative variations of gate trigger current, holding current and latching current versus junction temperature

