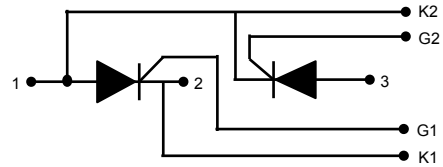


### 一、产品特点

- 1、国际标准封装；安装方便
- 2、焊接结构，优良的温度特性和功率循环能力
- 3、玻璃钝化工艺，方片芯片
- 4、低通态压降 $\leq 1.69V$
- 5、引线端与底板电气绝缘，2500V交流电压
- 6、阻断电压高达1600V
- 7、高达12倍抗浪涌能力
- 8、环保产品（符合RoHS标准）



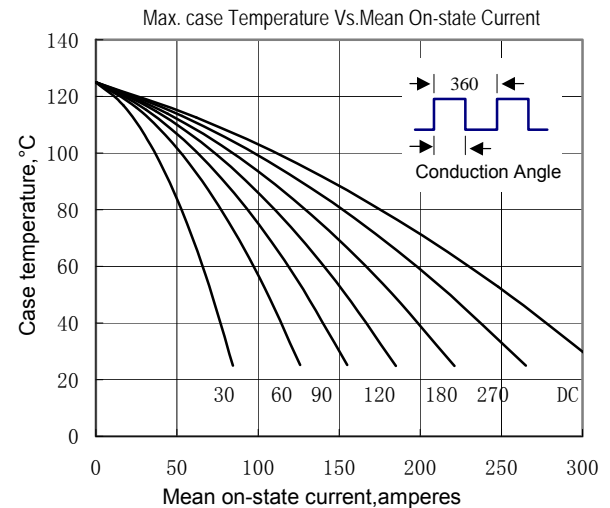
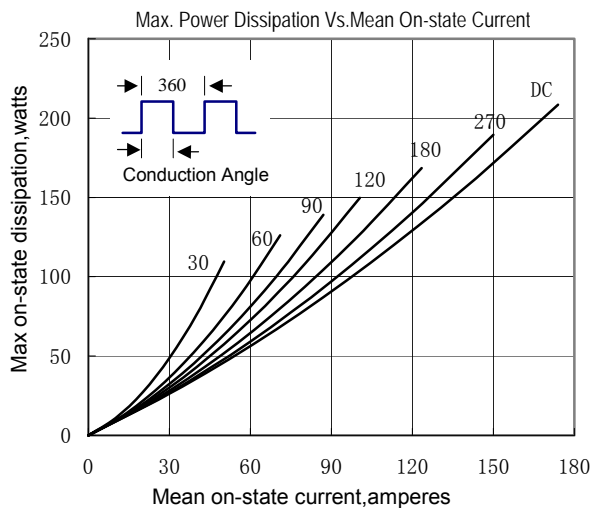
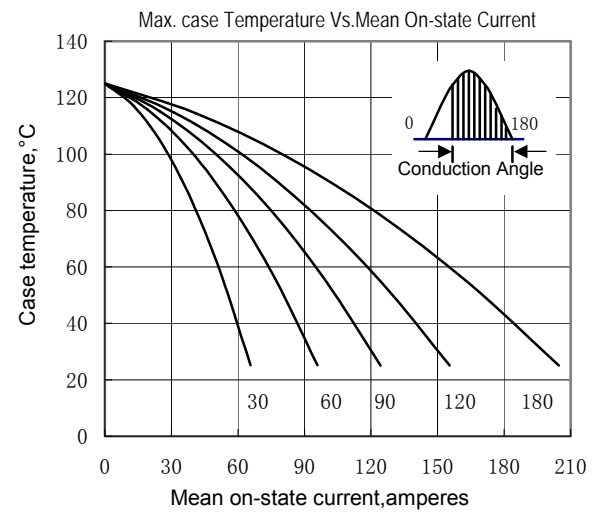
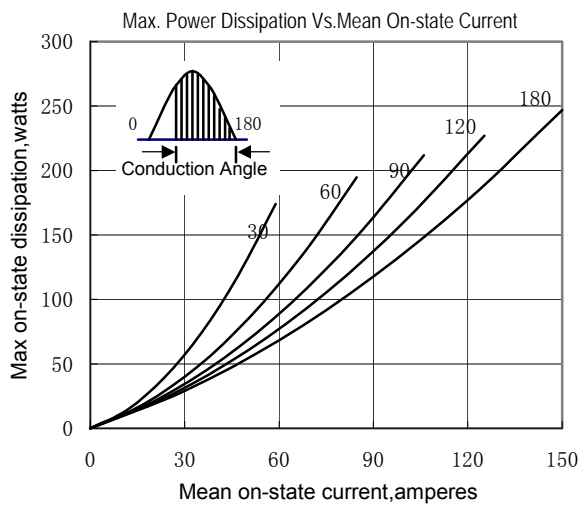
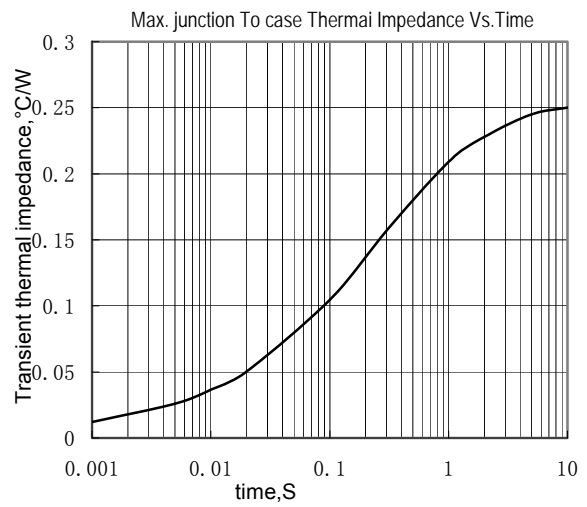
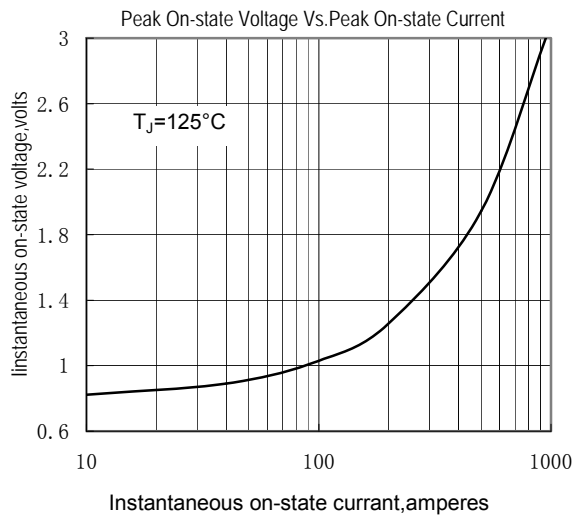
### 二、典型应用

直流屏、变频器、电焊机、直流充电电源、直流电动机

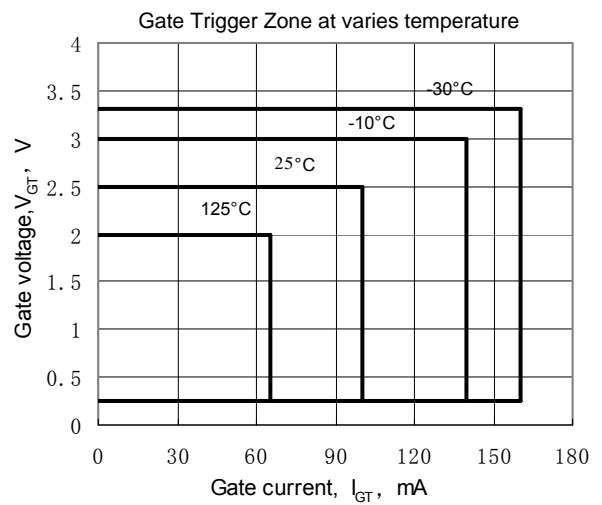
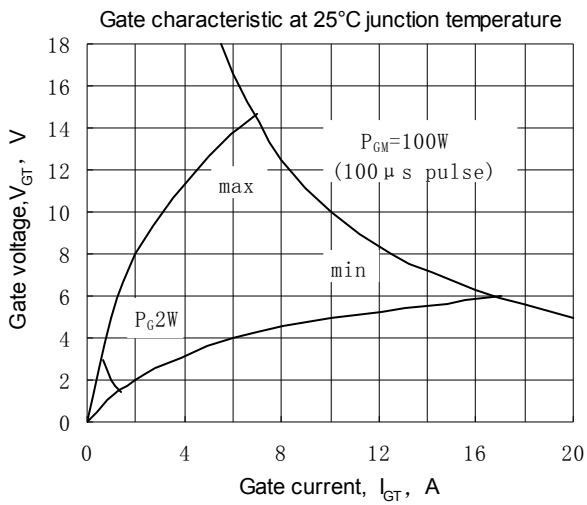
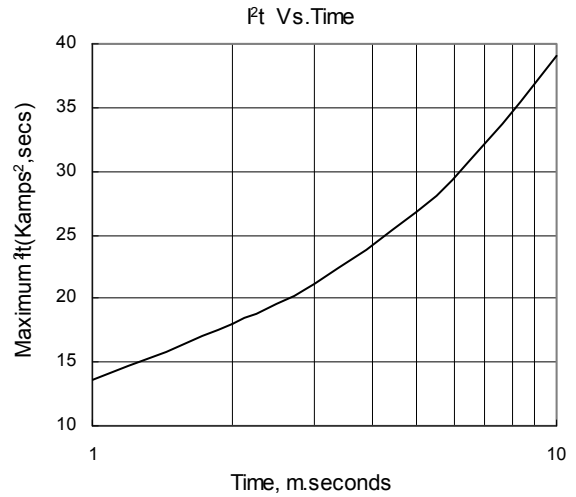
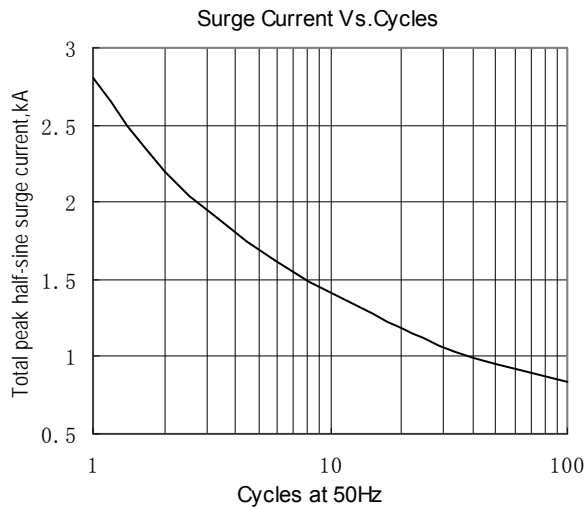
### 主要技术参数

参数	符号	测试条件	结温 $T_J(^{\circ}C)$	最小	典型	最大	单位
通态平均电流	$I_{T(AV)}$	180°正弦半波, 50Hz 单面散热, $T_C=85^{\circ}C$	125			110	A
通态有效值电流	$I_{T(RMS)}$		125			173	
断态重复峰值电压	$V_{DRM}$	$V_{DRM}$ & $V_{RRM}$ $tp=10ms$ $V_{DSM}$ & $V_{RSM}$ $tp=V_{DRM}$ & $V_{RRM}+200V$	125	800	1600	2200	V
反向重复峰值电压	$V_{RRM}$						
断态重复峰值电流	$I_{DRM}$	$V_{DM}=V_{DRM}$	125			8	mA
反向重复峰值电流	$I_{RRM}$	$V_{RM}=V_{RRM}$					
通态不重复浪涌电流	$I_{TSM}$	10ms 底宽 正弦半波, $V_R=0.6 V_{RRM}$	125			2200	A
浪涌电流平方时间积	$I^2t$					24	
通态门槛电压	$V_{TO}$	$I_{TM}=330A$	125			0.8	V
通态峰值电压	$V_{TM}$					1.55	
断态电压临界上升率	$dV/dt$	$V_{DM} = 67\% V_{DRM}$	125			1000	$V/\mu S$
断态电流临界上升率	$di/dt$	$I_{TM}=330A, I_{GM}=1.5A$ 门极电流上升 $tr \leq 0.5\mu S$	125			80	$A/\mu S$
交流测试	$V_{DRM}$	交流电压=1300V, S=60秒, 漏电流 $\leq 0.15mA$		0.05	0.1	0.15	mA
门极触发电流	$I_{GT}$	$V_A=12V, I_A=1A$	125	30		60	
维持电流	$I_H$			20		100	
门极触发电压	$V_{GT}$			0.7		1.5	
门极不触发电压	$V_{GD}$			$V_{DM} = 67\% V_{DRM}$	125		
绝缘电压	$V_{ISO}$	50HZ, RM.S, t=1min, liso:1mA (max)		2500			

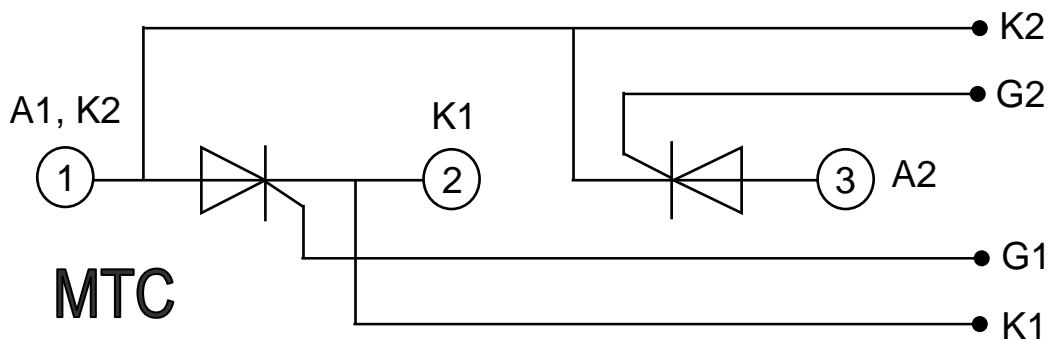
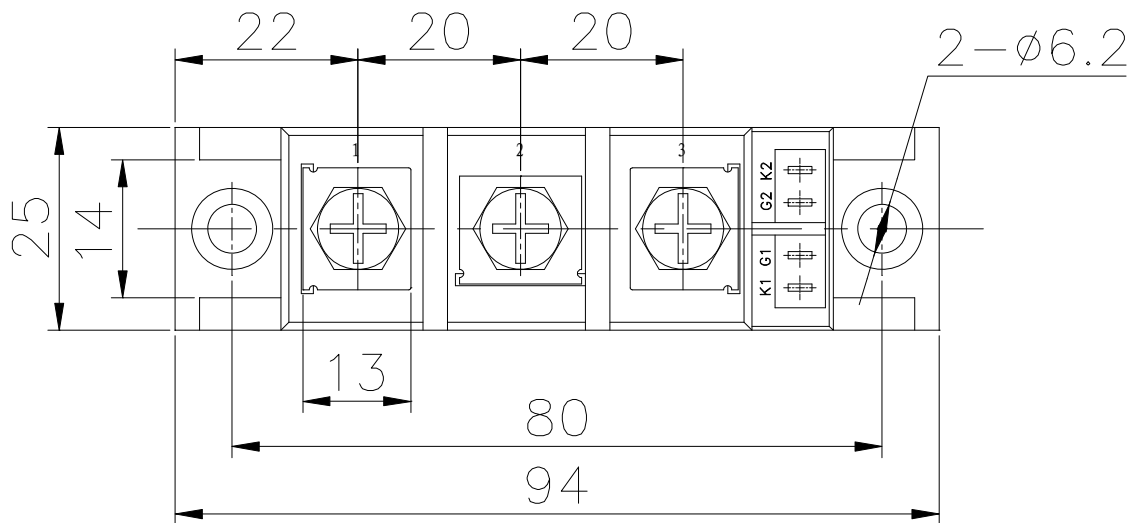
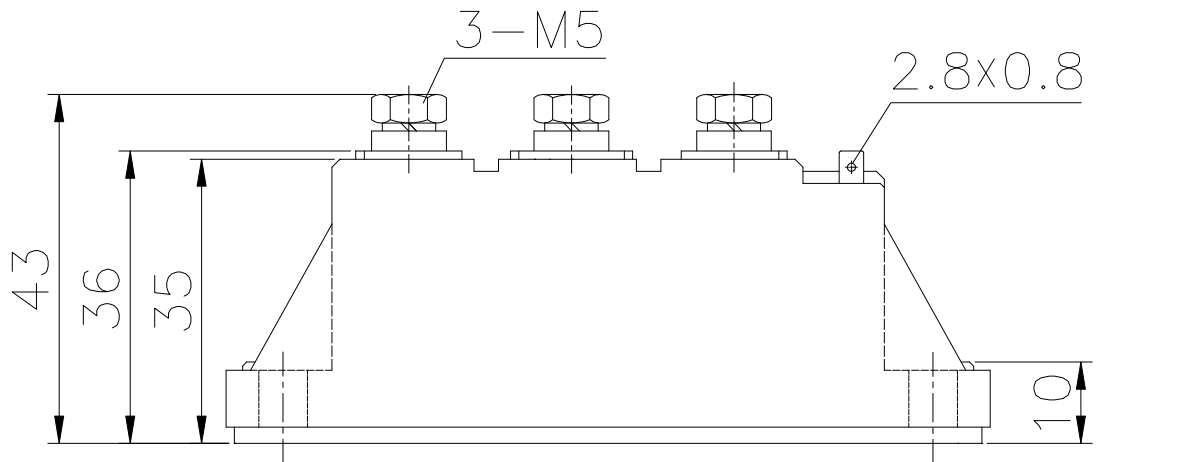
### Electrical characteristics & Typical characteristics



### Electrical characteristics & Typical characteristics



## 封装尺寸 Package Size Data



Manufacturers version information  
2006-09-01, KKG™ Product Data-1.0  
2010-04-25, KKG™ Product Data-1.1  
2015-05-20, KKG™ Product Data-1.2



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