

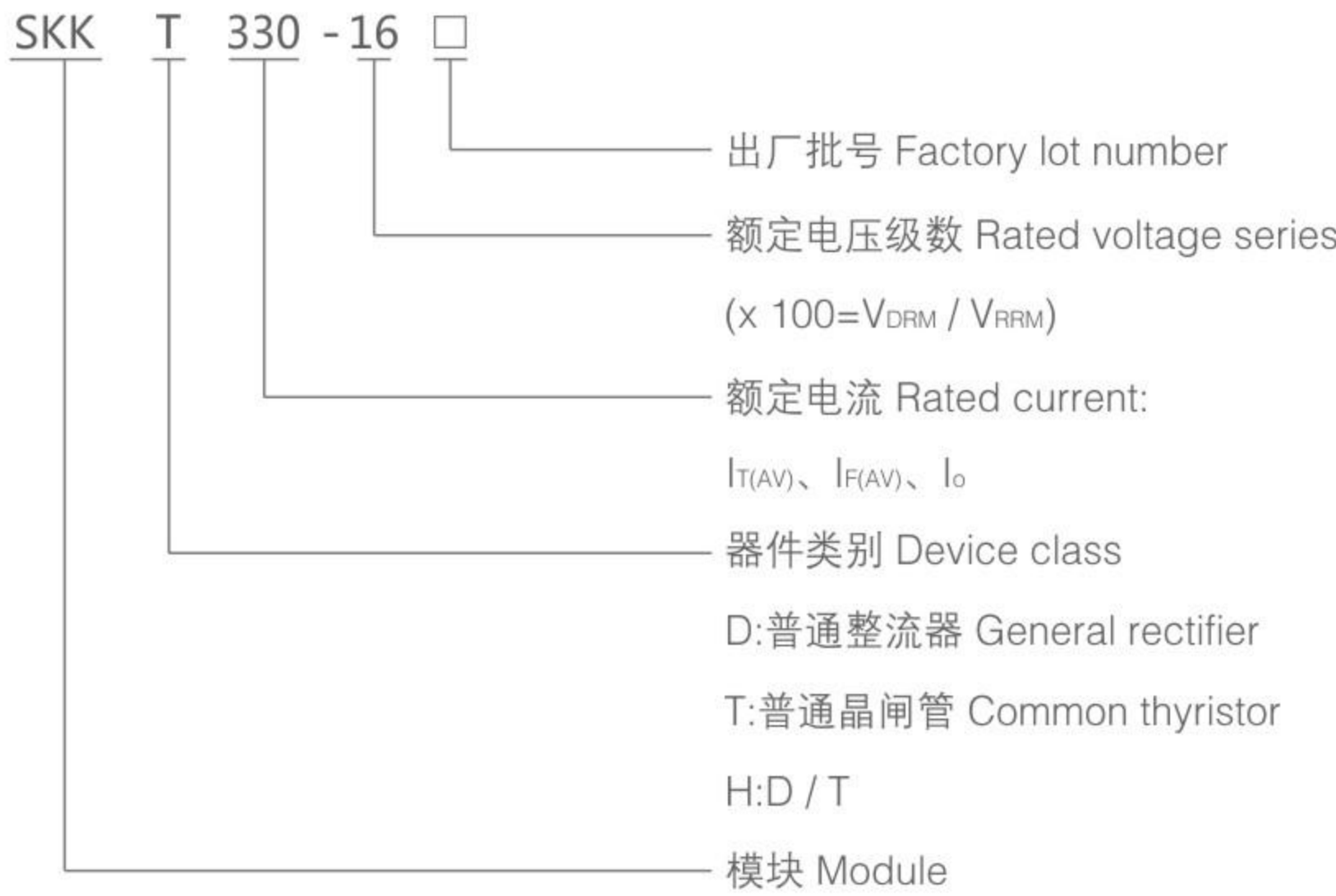
SKKT330-16
Semiconductor module
半导体模块



产品特点 Product Characteristics

- 芯片与底板电气绝缘，2500V交流电压；
 - 国际标准封装；
 - 真空+充氢保护焊接技术；
 - 压接结构，优良的温度特性和功率循环能力；
 - 输入-输出端之间隔离耐压≥2500VAC；
 - 200A以下模块皆为强迫风冷，300A以上模块，既可选用风冷，也可选用水冷；
 - 安装简单，使用维修方便，体积小，重量轻。
- Chip and baseboard electrical insulation, 2500V AC voltage;
○ International standard package;
○ Vacuum + hydrogen filled protection welding technology;
○ Crimp structure, excellent temperature characteristics and power cycle capability;
○ Isolated voltage between input and output ≥2500VAC;
○ Modules below 200A are forced air cooling, and modules above 300A can be air-cooled or water-cooled.
○ Simple installation, easy use and maintenance, small size, light weight.

型号说明 Type description



产品应用 Matters needing attention

- 交直流电机控制；
 - 各种整流电源；
 - 工业加热控制；
 - 调光；
 - 无触点开关；
 - 电机软起动；
 - 静止无功补偿；
 - 电焊机；
 - 变频器；
 - UPS电源；
 - 电池充放电。
- 说明：
a. $V_{DSM}/V_{RSM}=V_{DRM}/V_{RRM}+200V$;
b. 除非另作说明，L_{GT},V_{GT},I_H,V_{TM},V_{ISO}均为25下的调试值，表中其它参数皆为T_{vm}下的测试值;
c. $I^2t=I^2_{TSM}TW/2$,式中TW:正弦半波电流底宽，在50HZ频率下，
 $I^2t(10ms)=0.005I^2_{TSM}(A^2S)$;
d. 当使用在电流为60HZ情况下，I_{TSM}(8.3ms)=1.066(10ms)，
 $I^2t(8.3ms)=0.943I^2_{TSM}(10ms)$ 。
- AC and DC motor control; ○ All kinds of rectifier power supply;
○ Industrial heating control; ○ Dimming; ○ No contact switch;
○ Motor soft start; ○ Static reactive power supplement;
○ Electric welding machine; ○ Frequency converter;
○ UPS power supply; ○ Battery charging and discharging.

Instructions:
a. $V_{DSM}/V_{RSM}=V_{DRM}/V_{RRM}+200V$;
b. Unless otherwise stated, L_{GT},V_{GT},I_H,V_{TM},V_{ISO} are all debug values under 25, and other parameters in the table are test values under T_{vm};
c. $I^2t=I^2_{TSM}TW/2$, where TW: sinusoidal half-wave current base width, at 50HZ frequency, $I^2t(10ms)=0.005I^2_{TSM}(A^2S)$;
d. When the current is 60HZ, I_{TSM}(8.3ms)=1.066(10ms), $I^2t(8.3ms)=0.943I^2_{TSM}(10ms)$.

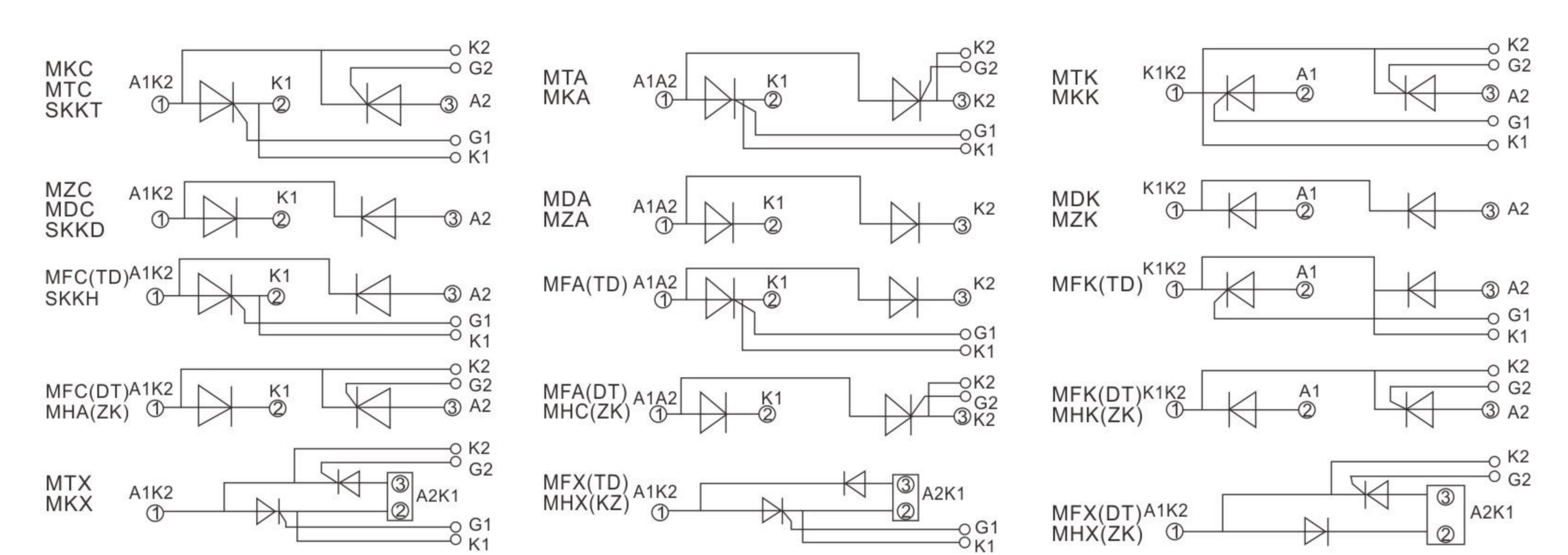
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主要技术参数 Main Technical Parameters

型号	通态平均电流 Average on-state current	反向断态重复峰值电压 Reverse off-state repeat peak voltage	通态峰值电压 Peak on-state voltage	通态峰值电流 Peak on-state current	正反向重复峰值电流 Forward reverse repetitive peak current	触发电流 Trigger current	触发电压 Trigger voltage	维持电流 Holding current	断态电压临界上升率 Critical rise rate of off-state voltage	通态电流临界上升率 Critical rise rate of on-state current	最高额定结温 Maximum rated junction temperature	绝缘电压 Insulation voltage	重量
Type	A	V	V	A	mA	mA	V	mA	V/μS	A/μS	℃	VAC	g
SKKT213A	213	400-2600	1.9	640	30	100	2.5	100	800	100	125	2500	820
SKKT252A	252	400-2600	1.9	760	30	100	2.5	100	800	100	125	2500	
SKKT330A	330	400-2600	1.9	990	40	100	2.5	100	800	100	125	2500	

接线示意图 wiring diagram (mm)



外形及安装尺寸 Outline and mounting dimensions (mm)

