ShiLing®

浙江世菱半导体有限公司

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

Specifcation of products

：

：MDQ200A-T14

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

0578 3012571 3615078

0578 3611180

323000

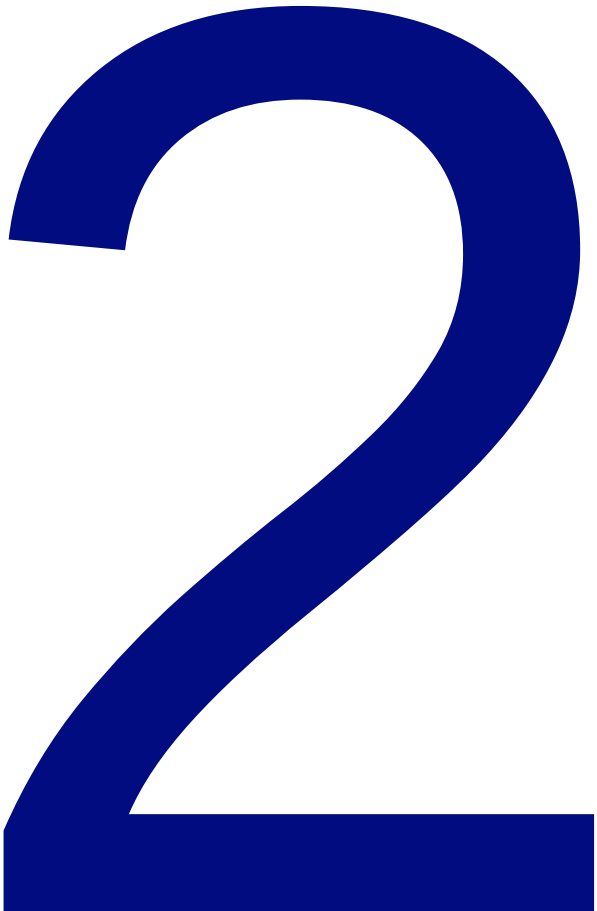
E-mail:smrshiling01@163.com

Http//www.smrshiling.com

05 2023.8

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j (℃)	VALUE			UNIT
				Min	Type	Max	
I_O	DC output current	Three-phase full wave rectifying circuit, T_C=100 °C	150			200	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{DRM}&V_{RRM}+200V	150	600			V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			10	mA
I_{FSM}	Surge forward current	10ms half sinewave V_R=0.6V_{RRM}	150			2.5	KA
I^2t	I^2T for fusing coordination					31.8	A^2s*10^3
V_{FO}	Threshold voltage		150			0.80	V
r_F	Forward slop resistance					3.8	mΩ
V_{FM}	Peak forward voltage	I_{FM}=200A	25			1.1	V
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	Single side cooled				0.150	°C /W
V_{iso}	Isolation voltage	50Hz, RM.S, t=1min, I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M6) Mounting torque(M6)				5.0		N.m

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

Fig. 1

Fig. 2

Fig. 5

F


6
2