ShiLing® 浙江世菱半导体有限公司
ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

Specifcation of products

：

：MFC182A-T05

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

0578 3012571 3615078
0578 3611180
323000
E-mail:smrshiling01@163.com
Http//www.smrshiling.com

05 2023.8

SYMBOL	CHARACTERISTI	TEST CONDITIONS	T_j (℃)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$ $I_{F(AV)}$	Mean on-state curren	180° half sinewave 50Hz Single side cooled, T_C=85°C	125			182	A
$I_{T(RMS)}$	RMS on-state curre	Single side cooled, T_C=85°C	125			286	A
V_{DRM} V_{RRM}	Repetitive peakoff voltage Repetitive peak voltage	V_{DRM}&V_{RRM} tp=10ms V_{DsM}&V_{RsM}= V_{DRM}&V_{RRM}+200V respectively	125	600		1600	V
I_{DRM} I_{RRM}	Repetitive peak	at V_{DRM}					
I_{TSM}	Surge on-state						KA
I^2t	I^2T for fusin nation	V_{for} V_R	forp		for		A^2s*10^3

LINE DRAWING & CIRCUIT DIAGRAM

Rating and Characteristic

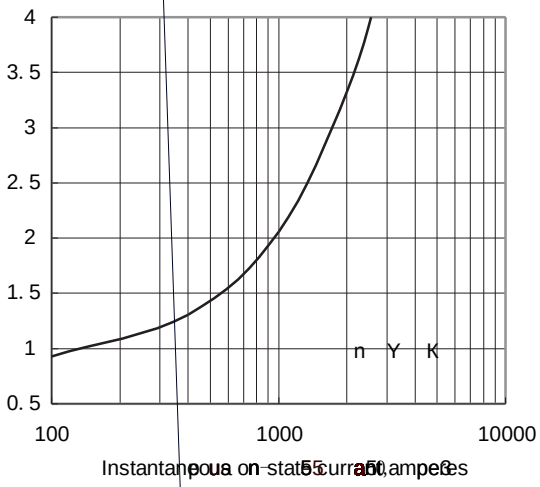


Fig. 1

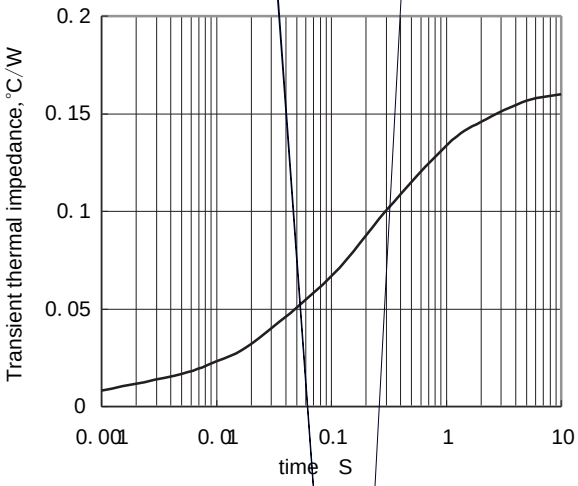


Fig. 2

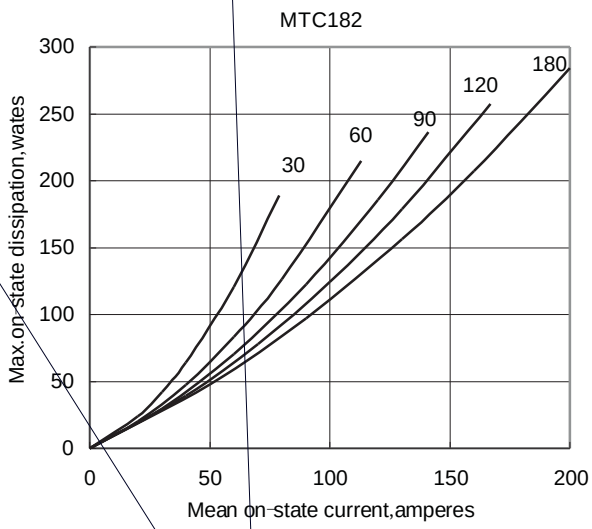


Fig. 3

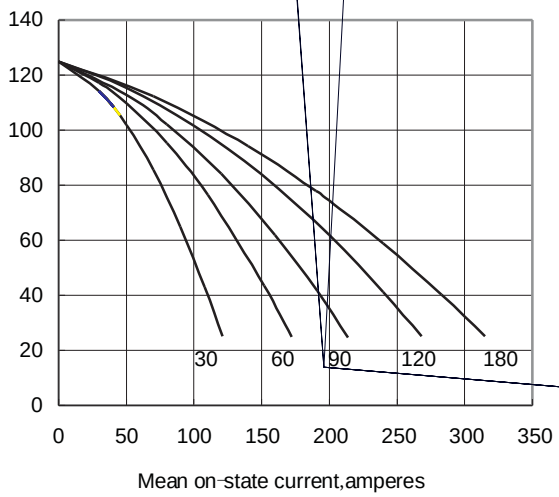


Fig. 4

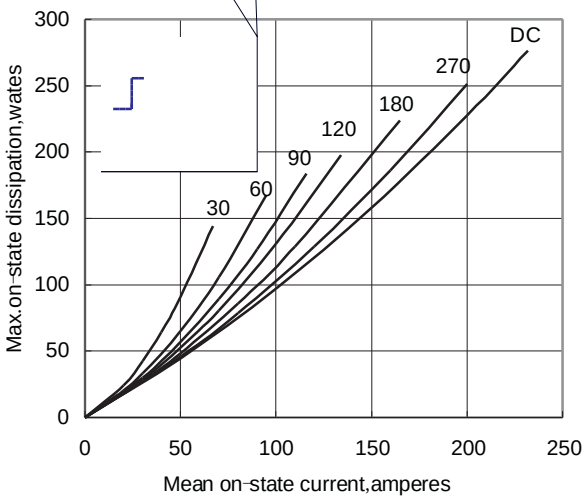


Fig. 5

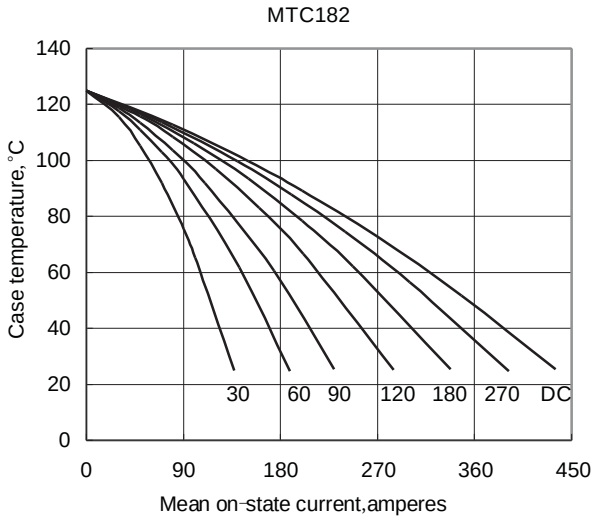


Fig. 6

Rating and Characteristic

Fig. 7

Fig. 8

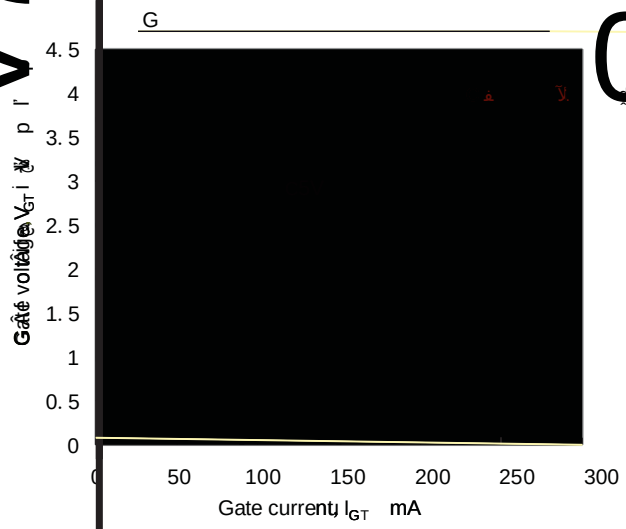
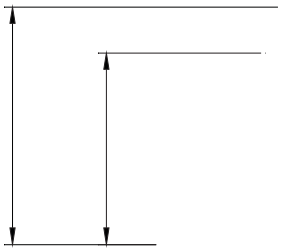
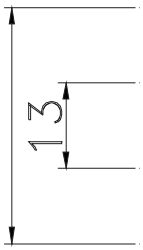


Fig. 9

Fig. 10

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