ShiLing®

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

Specifcation of products

:

: MDC380A-Y02

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

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05 2023.8

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(℃)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled,T_C=100°C	150			380	A
$I_{F(RMS)}$	RMS for ward current	Single side cooled,T_C=100°C	150			596	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RSM}= V_{DRM}&V_{RRM}+200V	150	600		2000	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			30	mA
I_{FSM}	Surge for ward current	10ms half sine wave V_R=0.6V_{RRM}	150			9.5	KA
I^2t	I^2T for fusing coordination					451.2	A^2s*10^3
V_{FO}	Threshold voltage		150			0.75	V
r_F	Forward slop resistance					0.61	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1100A	25			1.40	V

OUTLINE DR AW ING & CIRCUIT DIAGRA M

Rating and Characteristic

Fig.1

Fig.2

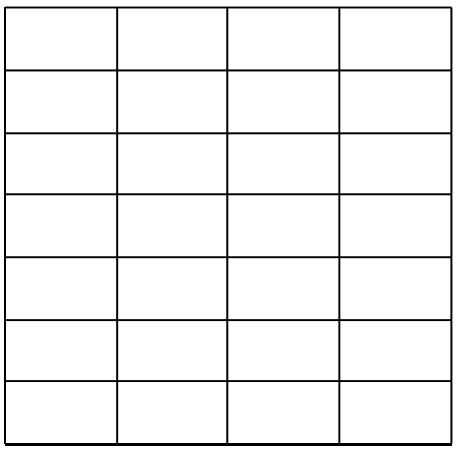
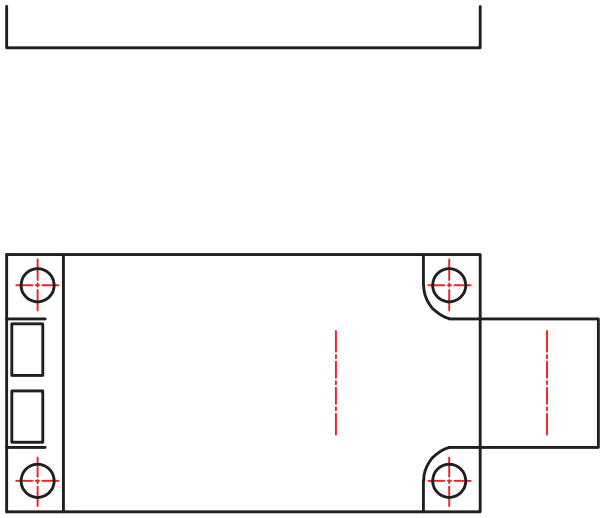


Fig.3

Fig.4

Fig.5

Fig.6

Outside Dimension