



浙江芯芯电子有限公司
ZHEJIANG XINXIN ELECTRICAL CO., LTD.

产品规格书

Specification of Products

产品名称：整流管模块

产品型号：MDC182A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTRICAL CO., LTD.

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SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (°C)	VALUE			UNIT
				Min	Type	Max	
I _{F(AV)}	Mean forward current	180° half sinewave 50Hz Single side cooled, $\bar{T}=100^{\circ}\text{C}$	150			182	A
I _{F(RMS)}	RMS forward current	Single side cooled, $\bar{T}=100^{\circ}\text{C}$	150			286	A
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{DRM} &V _{RRM} +200V	150	600		2200	V
I _{RRM}	Repetitive peak current	at V _{RRM}	150			12	mA
I _{FSM}	Surge forward current	10ms half sinewave	150			6.40	KA
I ² t	I ² T for fusing coordination	V _R =0.6V _{RRM}				209	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.80	V
r _F	Forward slop resistance					0.96	mΩ
V _{FM}	Peak forward voltage	I _M =546A	25			1.1	V
R _{th(j-c)}	Thermal resistance Junction to heatsink	At 180° sine Single side cooled				0.220	°C /W
V _{iso}	Isolation voltage	50Hz, RM. S, t=1min, i _{iso} : 1mA (max)		2500			V
F _m	Terminal connection torque(M6)				3.0		N.m
	Mounting torque(M6)				3.0		N.m
T _{stg}	Stored temperature			-40		125	°C
W _t	Weight				220		g
Outline							

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

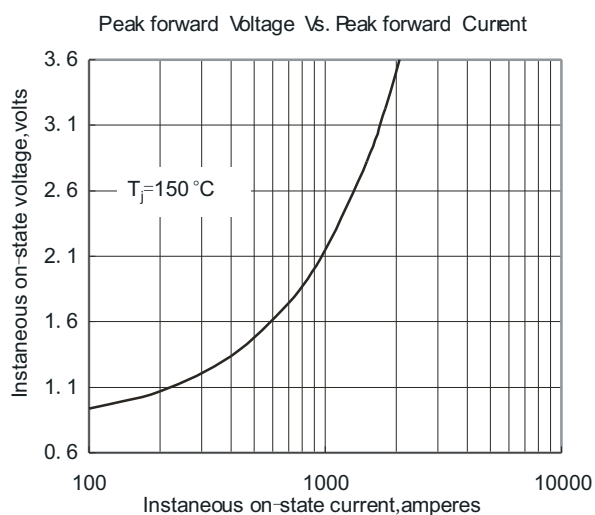


Fig. 1

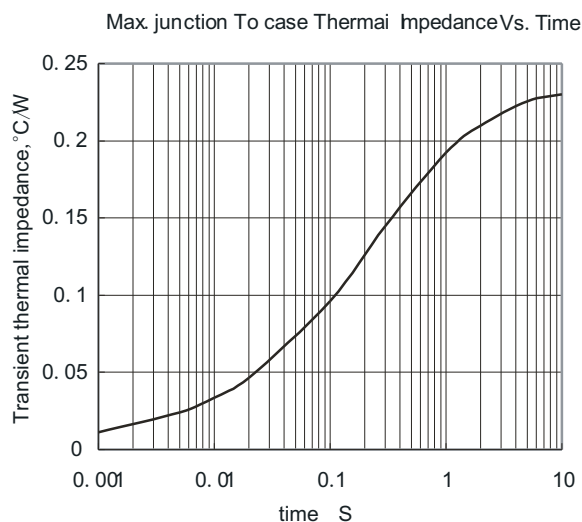


Fig. 2

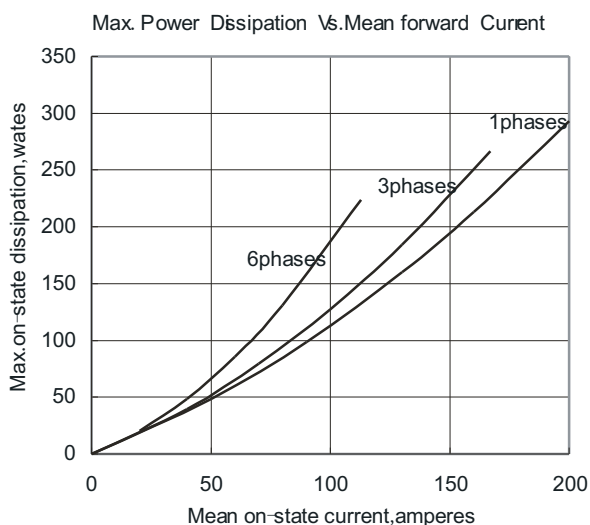


Fig. 3

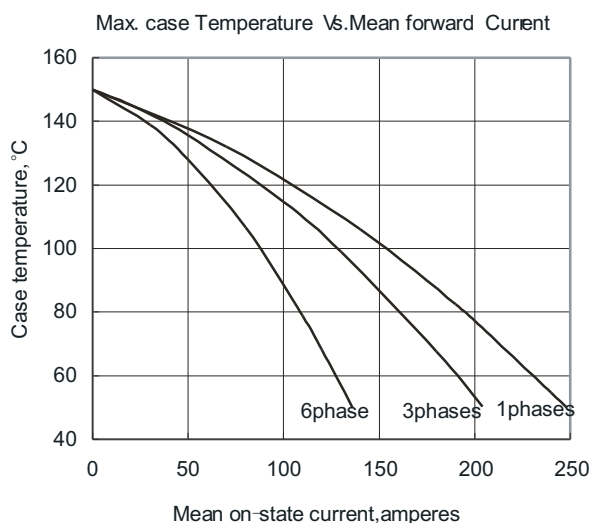


Fig. 4

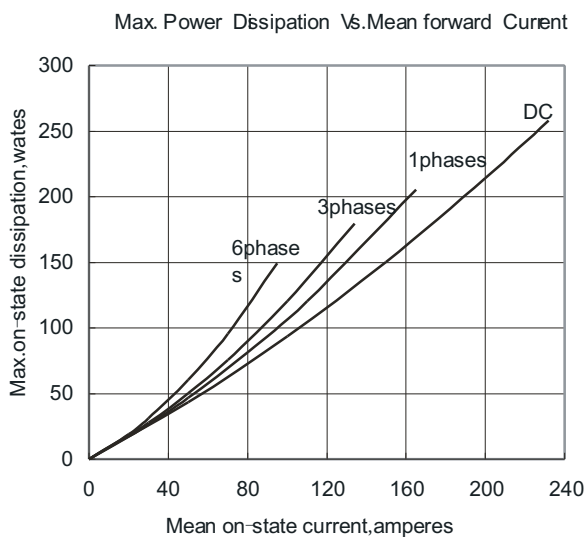


Fig. 5

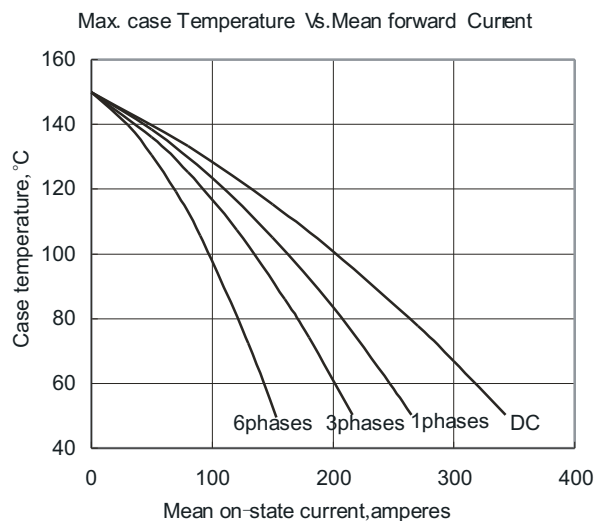


Fig. 6

Technical drawing of the K1000 terminal block, showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 94
- Overall height: 34
- Terminal pitch (center-to-center): 23
- Terminal width: 14
- Terminal height: 13
- Terminal spacing from side: 24
- Terminal spacing from center: 23
- Terminal spacing from end: 14

Side View Dimensions:

- Overall height: 36
- Terminal height: 29
- Terminal width: 9
- Terminal spacing from side: 0.8

Terminal Details:

- Terminal type: 2- $\phi 6.3$ (2-pin)
- Terminal type: 3-M6 (3-pin)
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- Terminal type: 3-M6 (3-pin)

