Specifcation of products

:

: MBK400U1K2

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

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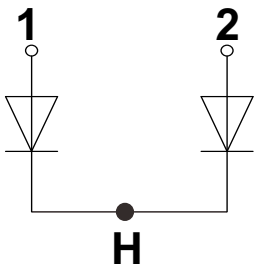
02 2026.5

PRODUCT FEATURES

- Ultrafast Reverse Recovery Time
- Soft Reverse Recovery Characteristics
- Low Reverse Recovery Loss
- Low Forward Voltage
- High Surge Current Capability
- Low Inductance Package



APPLICATIONS

- Inversion Welder
- Uninterruptible Power Supply (UPS)
- Plating Power Supply
- Ultrasonic Cleaner and Welder
- Converter & Chopper
- Power Factor Correction (PFC) Circuit

ABSOLUTE AXI U RATINGS

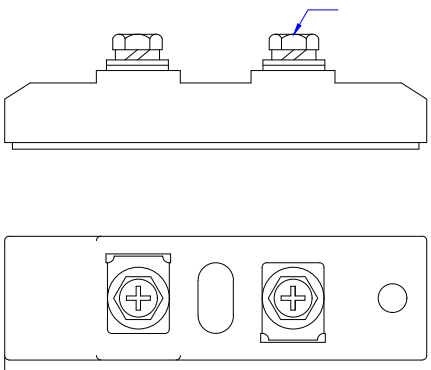
Tc=25℃ unless otherwise specifed

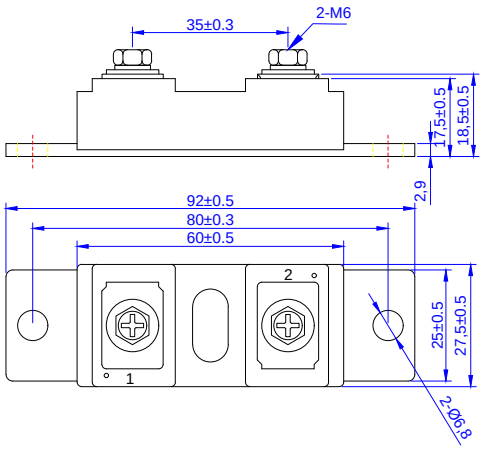
Symbol	Parameter	Test Conditions	Values	Unit
V_R	Maximum D.C. Reverse Voltage		100	V
V_{RRM}	Maximum Repetitive Reverse Voltage		100	V
$I_{F(AV)}$	Average Forward Current	T_C=100℃, Per Diode	200	A
		T_C=100℃, Per Moudle	400	A
$I_{F(RMS)}$	RMS Forward Current	T_C=T	280	

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specifed

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
I_{RM}	Reverse Leakage Current	V_R=100V	--	--	0.5	mA
		V_R=600V, T_J=125℃	--	--	10	mA




35±0.3
2-M6
17.5±0.5
18.5±0.5
2.9
92±0.5
80±0.3
60±0.5
2
1
25±0.5
27.5±0.5
2-Φ6.8