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

Specifcation of products

：

：MBK400U045K1

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

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PRODUCT FEATURES

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

APPLICATION S

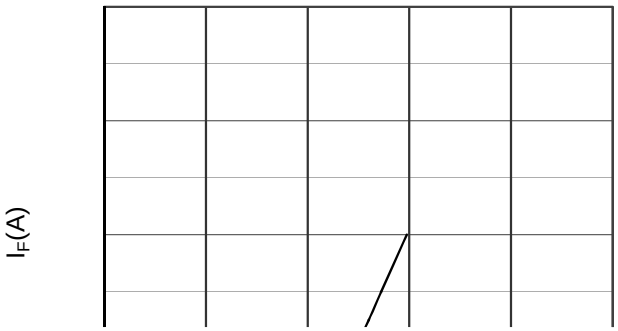
- Inversion Welder
- Uninterruptible Power Supply (UPS)
- Plating Power Supply
- Ultrasonic Cleaner and Welder
- Converter & Chopper
- Power Factor Correction (PFC) Circuit

ABSOLUTE MAXIMUM RATINGS

Tc=25℃ unless otherwise specified

Symbol	Parameter	Test Conditions	Values	Unit
V_R	Maximum D.C. Reverse Voltage		45	V
V_{RRM}	Maximum Repetitive Reverse Voltage		45	V
		T_C=100℃, Per Diode		
$I_{F(AV)}$	Average Forward Current	T_C=100℃, Per Moudle	400	A
$I_{F(RMS)}$	RMS Forward Current	T_C=100℃, Per Diode		A
I_{FSM}	Non-Repetitive Surge Forward Current			

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Dimensions Di