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.

0578 3615066

323000

E-mail:smrshiling12@163.com

Http//www.smrshiling.com

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

APPLICATION S

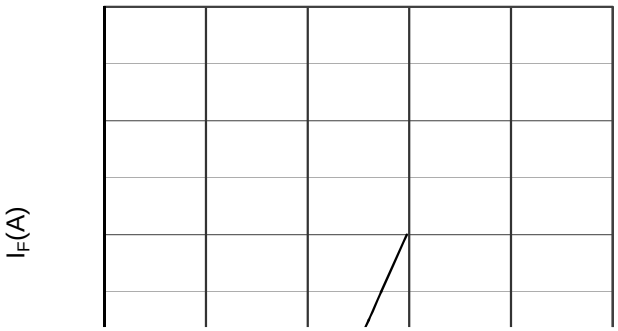
- Inversion Welder
- Uninterruptible Power Supply (UPS)
- Plating Power Supply
- Ultrasonic Cleaner and Welder
- Converter & Chopper
- Power Factor Correction (PFC) Circuit

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
$I_{F(AV)}$	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=100℃, Per Diode	280	A
I_{FSM}	Non-Repetitive Surge Forward Current			

fi



Dimensions Di