SHI LING®

ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

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Specifcation of Products

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ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

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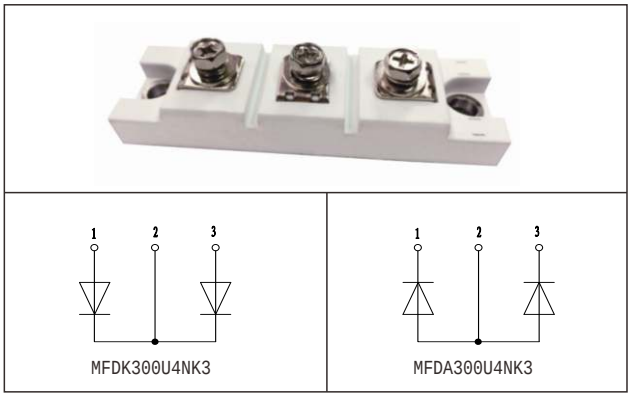
SHI LING®
ZHEJIANG SHILING SEMICONDUCTOR CO.,LTD.

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 MAXIMUM RATINGS

T_C=25℃ unless otherwise specifed

Symbol	Parameter	Test Conditions	Values	Unit
V_R	Maximum D.C. Reverse Voltage		400	V
V_R	Maximum ReMetitiÔe Reverse V			V

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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specifed

Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
I_{RM}	Reverse Leakage Current	V_R=400V	--	--	2	mA
		V_R=400V, T_J=125℃	--	--	10	mA
V_F	Forward Voltage	I_F=150A	--	1.15	1.45	V
		I_F=150A, T_J=125℃	--	1.10	--	V
t_{rr}	Reverse Recovery Time	I_F=1A, V_R=30V, di_F/dt=-150A/μs	--	60	--	ns
t_{rr}	Reverse Recovery Time	V_R=200V, I_F=150A	--	160	--	ns
I_{RRM}	Max. Reverse Recovery Current	di_F/dt=-150A/μs, T_J=25℃	--	17.5	--	A
t_{rr}	Reverse Recovery Time	V_R=200V, I_F=150A	--	255	--	ns
I_{RRM}	Max. Reverse Recovery Current	di_F/dt=-200A/μs, T_J=125℃	--	30	--	A

