

June 2018

PRODUCT FEATURES

- ¶ Ultrafast Recovery Time
- ¶ Low Recovery Loss
- ¶ Soft Reverse Recovery Characteristics
- ¶ Low Leakage Current
- ¶ Low Forward Voltage
- ¶ High Surge Current Capability

APPLICATIONS

- ¶ Freewheeling, Snubber, Clamp
- ¶ Inversion Welder
- ¶ PFC
- ¶ Plating Power Supply
- ¶ Ultrasonic Cleaner and Welder
- ¶ Converter & Chopper
- ¶ UPS

IOS

FRED from MacMic utilizes advanced processing techniques to achieve ultrafast recovery times and higher forward current. Its soft recovery characteristics and high reliability suit for wide industrial applications.

$T_c = 25^\circ\text{C}$ unless otherwise specified) Éxα|™ -'69X@1 1ÿ Ð p2110110CT400ms, 5

Symbol	Parameter/Test Conditions	Values	Unit
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MM15FU120K

ELECTRICAL CHARACTERISTICS (T_C=25°C unless otherwise specified)

Symbol	Parameter/Test Conditions	Min.	Typ.	Max.	Unit
trr	Reverse Recovery Time		260		ns
I _{RRM}	Maximum Reverse Recovery Current		3.7		A
Q _{RR}	Reverse Recovery Charge		460		nC
trr	Reverse Recovery Time		480		ns
I _{RRM}	Maximum Reverse Recovery Current		6.5		A
Q _{RR}	Reverse Recovery Charge		1150		nC

I_F(A)

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