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Typical Applications

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

Mechanical Data

- **Package:** ITO-220AB
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked

■Maximum Ratings (T_j=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	MBRL3065FCT
Device marking code			MBRL3065FCT
Repetitive Peak Reverse Voltage	V _{RRM}	V	65
Average Rectified Output Current @60Hz sine wave, R-load, T _c =75	I _O	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, T _j =25	I _{FSM}	A	250
Surge(Non-repetitive)Forward Current @1ms square wave, 1 time, T _j =25			500
Current Squared Time @1ms≤t≤8.3ms T _j =25	I ² t	A ² s	250
Storage Temperature	T _{stg}		-55 ~ +150
Junction Temperature	T _j		-55 ~ +150

■Electrical Characteristics T_j=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
Peak Forward Voltage	V _{FM}	V	I _{FM} =15.0A T _j =25	0.4	0.57	0.6

MBRL3065CT



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