

**Typical Applications**

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

Mechanical Data

- **Package:** TO-263
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 ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	MBRBL30150CT
Device marking code			MBRBL30150CT
Repetitive Peak Reverse Voltage	VRRM	V	150
Average Rectified Output Current @60Hz sine wave, R-load, T_a FIG 1	IO	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	IFSM	A	220
Current Squared Time @1ms≤t≤8.3ms $T_j=25$ rating of per diode	I2t	A2s	200
Storage Temperature	Tstg		-55 ~ +150
Junction Temperature	Tj		-55 ~ +150

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRBL30150CT
Maximum instantaneous forward voltage drop per diode	VFM	V	IFM=10.0A	0.84
Maximum DC reverse current at rated DC blocking voltage	IRRM1	mA	VRM=VRRM $T_a=25$	0.1

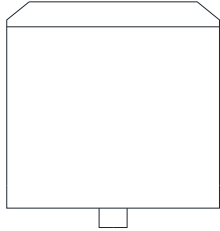
■Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL			
			W	2.0

MBRBL30150CT



■Outline Dimensions





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