



High frequency operation  
 Low forward voltage drop  
 High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance  
 Guard ring for enhanced ruggedness and long term reliability  
 Solder dip 275 °C max. 7 s, per JESD 22-B106

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

: TO-220AB

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

: Tin plated leads, solderable per J-STD-002 and JESD22-B102

: As marked

( $T_a=25$  Unless otherwise specified)

Device marking code			MBRL3060CT
Repetitive Peak Reverse Voltage	VRRM	V	60
Average Rectified Output Current @60Hz sine wave, R-load, $T_a=25$	IO	A	30
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1 cycle, $T_a=25$	IFSM	A	200
Current Squared Time @1ms $t<8.3ms$ $T_j=25$	$I^2t$	$A^2s$	167
Storage Temperature	$T_{stg}$		-55 ~ +150
Junction Temperature	$T_j$		-55 ~ +150

$T_a=25$  Unless otherwise specified

	I <sub>RRM2</sub>	$V_{RM}=V_{RRM}$ $T_a=100$	20

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS





