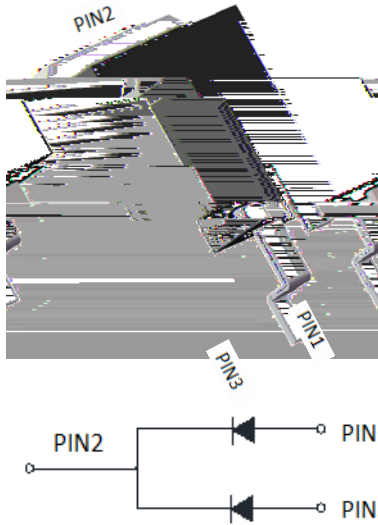


Schottky Diodes



Features

- 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
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260

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, solde

BL1060CT

Device marking code			MBRBL1060CT

Repetitive Peak Reverse Voltage V_{RRM} V I_{FSM} A
@60Hz half sine-wave, 1 cycle, $T_a=25$

Current Squared Time @ $1ms \leq t \leq 8.3ms$ $T_j=25$	I^2t	A^2s	41
Storage Temperature	T_{stg}		-55 ~ +150
Junction Temperature	T_j		-55 ~ +150

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRBL1060CT
Maximum instantaneous forward voltage drop per diode	V_{FM}	V	$I_{FM}=5.0A$	0.6
Maximum DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	mA	$V_{RM}=V_{RRM}$ T	
	I_{RRM2}		$V_{RM}=V_{RRM}$ T	

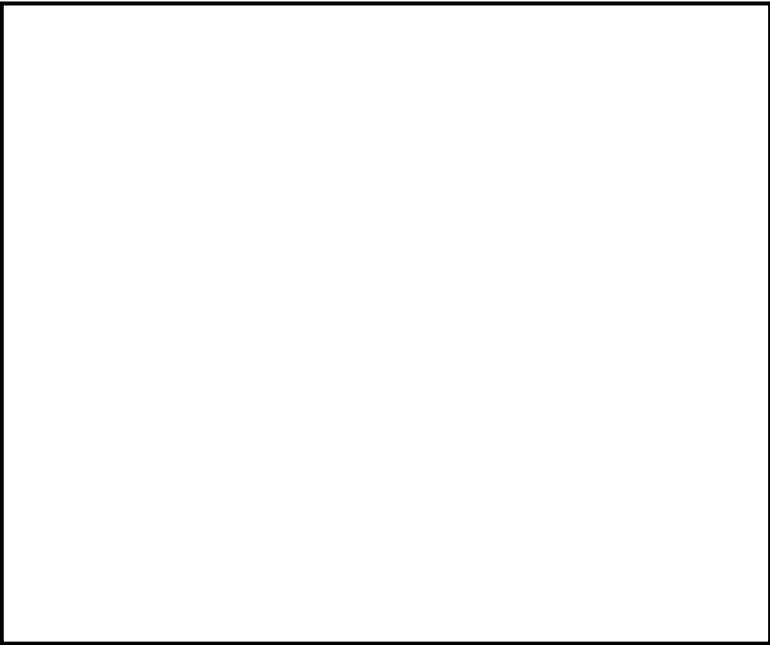
Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS





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