



Schottky Diodes



Features

- +LJK IUHTXHQF\ RSHUDWLRQ
- /RZ IRUZDUG YROWDJH GURS
- +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ HQ
- HQKDQFHG PHFKDQDQDOPRWWXUWKUHVLVWD
- *XDUG ULQJ IRU HQDQVHQGUHQHGWHP UH
- 6ROGHU GLS f & PD[V SHU -(6' %

Typical Applications

7\SLFDO DSSOLFDWLRQV DUH LQ VZLWFKLQJ S
IUHHZKHHOLQJ GLRGHV DQG UHYHUVH EDWW

Mechanical Data

- Package 72 \$%
- 0ROGLQJ FRPSRQG PHHWDPPDELOLW\
- UDWLQJ 5R+6 FRPSOLDQW
- Terminals 7LQ SODWHG OHDGV VROGHUDEOH S
- DQG -(6' %
- Polarity \$V PDUNHG

Maximum Ratings

PARAMETER	SYMBOL	UNIT	MBRL2060CT
Reverse Current	I_{R}	mA	0.5
Forward Current	I_{F}	A	1.0
Peak Forward Current	I_{FM}	A	1.5
Reverse Voltage	V_{R}	V	100
Forward Voltage	V_{F}	V	0.7
Power Dissipation	P_{D}	W	0.5
Storage Temperature	T_{STG}	°C	-55 to 150
Operating Temperature	T_{OP}	°C	-55 to 150

Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRL2060CT
Reverse Current	I_{R}	mA	$V_{R} = 100V, I_{F} = 0mA$	0.5
Forward Current	I_{F}	A	$V_{F} = 0.7V, V_{R} = 0V$	1.0
Peak Forward Current	I_{FM}	A	$V_{F} = 0.7V, V_{R} = 0V$	1.5
Reverse Voltage	V_{R}	V	$I_{F} = 0mA$	100
Forward Voltage	V_{F}	V	$I_{F} = 1.0A, V_{R} = 0V$	0.7
Power Dissipation	P_{D}	W	$T_{OP} = 25°C$	0.5



MBRL2060CT-B1-W5094HF

Thermal Characteristics 7D 8QOHVV RWKHUÄLVH VSHFLILHG

PARAMETER	SYMBOL	UNIT	MBRL2060CT
7KHUPDO 5HVLVWDQF	%HWZHHQ MXQFWLRQ DQG FDVH	5 - &	:

Ordering Information ([DP SOH

PREFERRED P/N	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
0% 5/ & 7	\$SSUR[LPDWH				

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Characteristics 7\SLFDO

Average Forward Output Current

Case Temperature Ä Ä



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Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWV LQ WKH UDQGHU JKRQJ HDUHQJZ FKHDFWRUJ &LF /VHG UHV
ULJKW WR PDNLWKRDXW IRU VSHFIRU RYHUSLRQG R FWWV GLV SPSAURYGHKUHUGLDEWGRMVLJQQF
RU RWKHUZZLVH

7KH SURGXFWQLVGHG/IKJHGL WR EHKOHGZLWOLR UHGXSQRHQW RU GHYLFHWWKQGGQ
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLWKHKEDIO IZLWOLRQXIDHGGDEHGHWOK DFKQDOLIH
PHGLFDO LQVWUXOMSRUWHDQWLROHUTXLSRPH RDXFKLHQ U UHDFWRHO FFRQWURROOHVV DQ
GHYLFHV <DQJMLHVRV DFKBQH DQVXRLOV VARRWHO SBRLOLQVHVR OVDLQJGIDRPPMMFK LP
RI VDOH

7KLV SXEOLFDFWRQ SVXSSHUW DGHVLRQURQPDVLSRQLSGHYRURXVGLWLRQDO LQWRUPDWLR
KWWVZ \DQJMLHRFRFRQVXOW \RXU QHDUHVW <DQJMLVHMVQVDFHOHV RILFH IRU IXUW