



Schottky Diodes



Features

" +LJK IUHTXHQF\ RSHUDWLRQ
" /RZ IRUZDUG YROWDJH GURS
" +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ HQ
HQKDQFHG PHFKDQDQG RYHUVWUXUH VSHFLILHG
" *XDUG ULQJ IRU HQVWUHQGV DQG GHVWUHQGV
" 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 FRPSRQHQW PHHWDVPPDELOLW\
UDWLQJ 5R+6 FRPSOLDQW
" Terminals 7LQ SODWHG OHDGV VROGHUDEOH S
DQG -(6' %
" Polarity \$V PDUNHG

Maximum Ratings

'HYLFH PDUNLQJ FRGH			0%5	&7 0%5	&7 0%5	&7 0%5	&7 0%5	&7 0%5	&7 0%5
5HSHWLWLYH 3HDN 5HYHUVH 5SRQW DJH									
\$YHUDJH 5HFWLILHG 2XWSXW & XUUHQW # +]									
VLQH ZDYH 5 ORDG 7									
6XUJH 1RQ UHSHWLWLYH)RUZDUG & XUUHQW									
# +] KDOI VLQH ZDYH - F\FOH									
& XUUHQW 6TXDUHG 7LPH # PV"W									
7M - È									
6WRUDJH 7HPSHUDWXUH									
-XQFWLRQ 7HPSHUDWXUH									

Electrical Characteristics

PARAMETER	SYMBOL						MBR1045CT	MBR1050CT	MBR1060CT
0D[LPPX LQVWDQWDQHRXV IRUZDUG YROWDJH GURS SHU GLRGH									
0D[LPPX '& UHYHUVH 5SRQW DJH UDWHG '& EORFNLEJ 5SRQW DJH SHU GLRGH									

1RWH 3XOVH WHVW X6 SXOVH ZLGK GXW\ F\FOH

1RWH 3XOVH WHVW SXOVH ZLGK P6



MBR1020CT THRU MBR1060CT

Thermal Characteristics 7D 8QOHVV RWKHUÄLVH VSHFLILHG

PARAMETER		SYMBOL	UNIT	MBR1020CT	MBR1035CT	MBR1040CT	MBR1045CT	MBR1050CT	MBR1060CT
7KHUPDO 5HVLVWDQFH	%HWZHHQ MXQFWLRQ DQG FDVH	5 - &	- :						

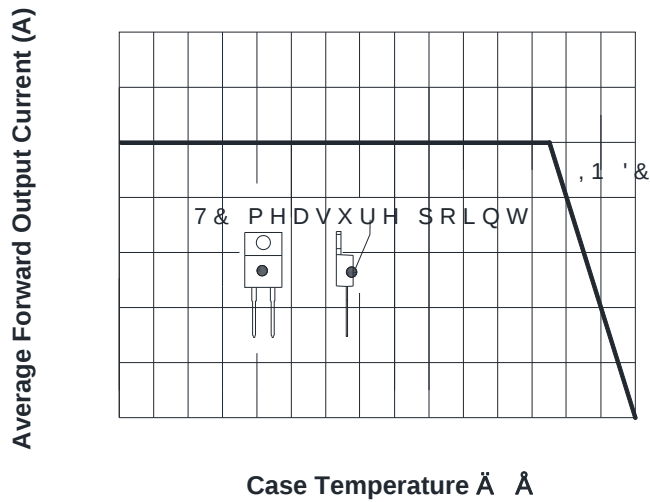
Ordering Information ([DP SOH

PREFERRED P/N	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
0%5 &7 7+58 0%5	\$SUR[LPDWH				

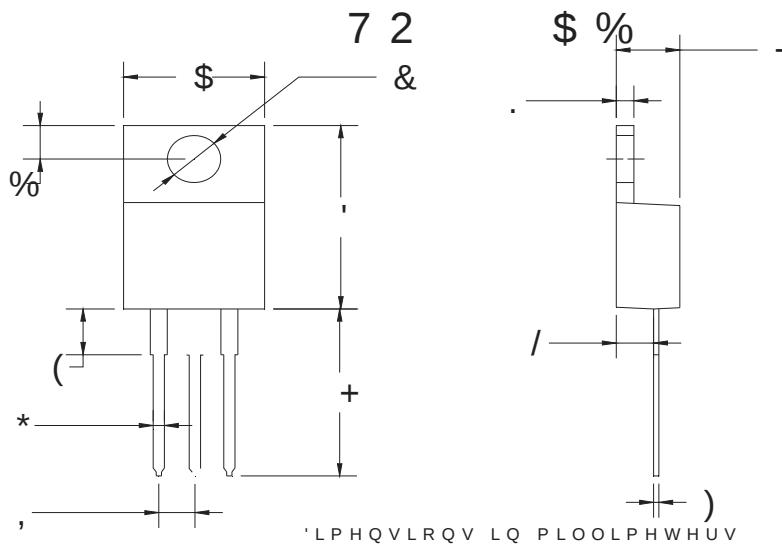
7XEH

Characteristics 7\SLFDO

FIG1:Io -Tc Curve



v2XWOLQH 'LPHQVLRQV





MBR1020CT THRU MBR1060CT

Disclaimer

7KH LQIRUPDWLRQ VSHFWXHQWQW LQ WKULUDHQHJLRQFH KDRQQOZH F(QHFOVRUR QLF /VHG UHV
ULJKW WR PDNLHWKRXQJ QHFWLSHFIRIWLQVSLRQG RFWV GLVSPDURYGHKWHUOLDEWQGLV L JQQF
RU RWKHUZZLVH

7KH SURGXFWQLVWGHV IJHQH WR EHHKWHGZLWQLR HGHQSRHQW RU GHYLFHWKDQGQ
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLWKKHEDIO IZQVWLZRXDHOHQGDEHQWOK DFKQDOVLIH
PHGLFDO LQVWUXHQMSUWHQWLRQHUTXLSH H QXFKHQ U UHDFWRIU FRQWUROOHV DQ
GHYLFHV <DQJMLHVRV DQKQ H DQVXRLOV QRRWHQSRQVLEWHVROVLIQJGIDRQJMMFK LP
RI VDOH

7KLV SXEOLFDWLRQ SXVSHUW DQDVLQURUPDWSLQJSGHYLRXDGGLWLRQDO LQWRUPDWLR
KWWLSZ \DQJMLHRRRFRQVXOW \RXU QHDUHVW <DQJMLHVRVQH VRIILFH IRU IXUW