



Schottky Diodes

Features

- +LJK IUHTXHQF\ RSHUDWLRQ
- +LJK SXULW\ KLJK WHPHUDWXUH HSR[\ HQ
- HQKDQFHG PHFKDQD DQOPRWWMOUWKUHVLVWD
- *XDUG ULQJ IRU HQDQVFBGUDRQJHGWHP UH
- 3DUW QR ZLWKHDXVL\$(% 4 TXDOLILHG

Typical Applications

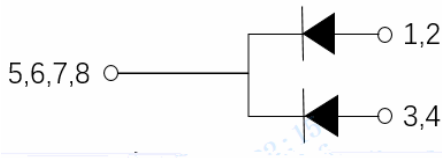
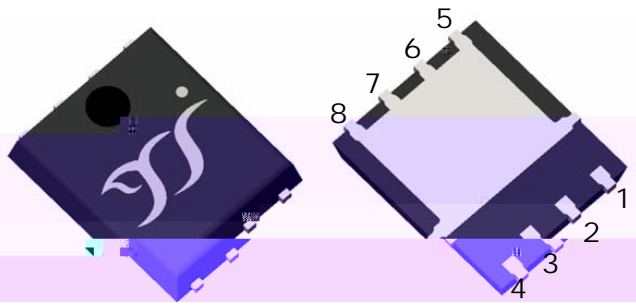
7\SLFDO DSSOLFDWLRQV DUH LQ VZLWFKLQJ S
DXWRPRWLYH IUHHZDQGHQHQHGLRFDWWHU\ S

Mechanical Data 1

& d l m ê q

Terminals 7LQ SODWHG OHDGV VROGHUDEOH S
DQG -(6' %

"Polarity \$V PDUNHG



Maximum Ratings

PARAMETER	SYMBOL	UNIT	MBR645P5CQ
'HYLFH PDUNLQJ FRGH			0%5 3 &
5HSHWLWLYH SHDN UHYHUVH YRQWDJH 9			
\$YHUDJH 5HFWLILHG 2XWSXW ZDYH 7	&XUUHQW #	\$	+] VLQH
)RUZDUG 6XUJH &XUUHQW 1RQ UHSHWLWLYH # +] PV KDOI VLQH ZDYH F\FOH 7		\$	
&XUUHQW 6TXDUHG 7LPH # PV"W" PV-7	,W	\$V	
6WRUDJH 7HPSHUDWXUH	7vWJ	-	a
-XQFWLRQ 7HPSHUDWXUH	7.	-	a

Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Typ	Max
,QVWDQWDQHRXV IRUZDUG YRQWDJH SHU GLRGH) \$ 7. -		
,QVWDQWDQHRXV UHYHUVH FXUUHQW SHU GLRGH) \$ 7. -		
7\SLFDO MXQFWLRQ FDSDFLWDQFH SHU GISRGH)9 I &0+] 9	9	
,QVWDQWDQHRXV UHYHUVH FXUUHQW SHU GLRGH			7. -		
,QVWDQWDQHRXV UHYHUVH FXUUHQW SHU GLRGH			7. -		



MBR645P5CQ

Thermal Characteristics 7D 8QOHVV RWKHUZLVH VSHFLILHG

PARAMETER	SYMBOL	UNIT	MBR645P5CQ
7\SLFDO WKHUPDO UHVLVWDQFH	5. s	- :	
7\SLFDO WKHUPDO UHVLVWDQFH	5. &	- :	

1RWH

7KHUPDO UHVLVWDQFH EHWZHHQ MXQFWLRQDQG DPELHQW FRXSWHGS RQ DUHDV
 7KHUPDO UHVLVWDQFH EHWZHHQ MXQFWLRQ DQG FDVH

vOrdering Information ([DP SOH

PREFERED P/N	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
0%5 3 & 4	\$SSUR[LPDWH				

3 UH

vMarking Information



1RWH
 \$OO PDUNLQJ LV DW PLGGOH RI WKH SURGXFW ERG\
 \$OO PDUNLQJ LV LQ ODVHU SULQWLQJ
 ;;;; LV PDUNLQJ FRGH 3 PDUNLQJ FRGH 3LW
 %RG\ FRORU %ODFN
 <<:: LV GDWH FRGH 3<< LV \HDU 3:: LV ZHHN
)RU LQVWDQFH
 7KH^{WK} ZHHN RI GDWH FRGH LV
 7KH^{WK} ZHHN RI GDWH FRGH LV



Outline Dimensions & Suggested Pad Layout

1 R W H



Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWV LQ WKULJDQJLKRQFH DRQQDZH FHOFRUJ &LF /VHG UHV
ULJKW WR PDNLWKRDXWLRQV LSH FIIWLQVSLRQG FFWV GLV FOSDURIYGHKUHUOILDEWGLV L JQQ F
RU RWKHU ZLVH

AK3 %5Q =@ VUHÅ ULLULYJ EOPFV LQ PÅT EPE Æ P ÈÀ @ 33Ö • EOP0tE Æ P ÈÀ QRWLFUH ÅQW@`PTK

ø•0À33ÖDpp€ • V t!XPKH LQI G3 øEPE!XRÔ PP'tÀ<YPP0tEPEW LT T\Yf ø