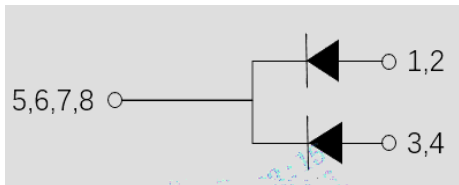
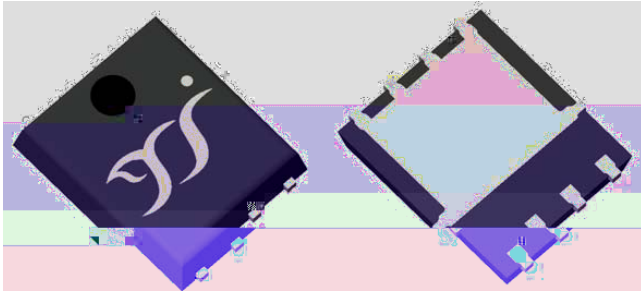




Schottky Diodes



Features

- " +LJK IUHTXHQF\ RSHUDWLRQ
- " +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ HQ
- HQKDQFHG PHFKDQDQDOPRWWMXUWKUHVLVWD
- " *XDUG ULQJ IRU HQDQVFBQGUORJHGWHUP UH
- " 3DUW QR ZLWKHVDQVL\$(3& 4 TXDOLILHG

Typical Applications

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

Mechanical Data = I' 2 dI A mw D }

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

" Polarity \$V PDUNHG

Maximum Ratings D 8QOHVV RWKHU\LVH VSHFLILHG

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	T_{VWJ}	-	a
-XQFWLRQ 7HPSHUDWXUH	T_c	-	a

Electrical Characteristics Ä 7D 8QOHVV RWKHU\LVH VSHFLILHG

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

[illegible]

- X Q

<DQJJKRX <DQJMEH HOKWORDL&R /ZZ \DQJMLH F

5 W :

38/6(7,0(VHF



MBR645P5CQ

■Thermal Characteristics 7D 8QOHVV RWKHUZLVH VSHFLILHG

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

1RWH

7KHUPDO UHVLVWDQFH EHWZHHQ MXQFWLRQDQG DPHLHQWFRXS\$WHGSBQ DUHDV
7KHUPDO UHVLVWDQFH EHWZHHQ MXQFWLRQDQG 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 FRGH3LW
%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



MBR645P5CQ

Disclaimer

7KH LQIRUPDWLRQ VSHFWXQWQW LQ WKULUDHQHJKRXFHDQQOZH F(QHFORURQLF /VHG UHV
ULJKW WR PDNLHWKRDQWQHVLVSHFIRIWRVSLRQG RFWV GLVSPDURYGHKUHUOLQEWGLV LJQQF
RU RWKHUZZLVH

ÄQ3 %5Q =@ VUH XNLJLULYJESBFWLÄ`PÄT €€äP€Ä @ 33Ö •€0P0t€äP€ÄQRWLFUH ÄQW@`PTKV

ä•0Ä33ÖÐpp€ • V t!XPKH LQI G3 ä€P€4!XRÔ PP'tÄ<YPP0t€P€WLT T!\Yf ä