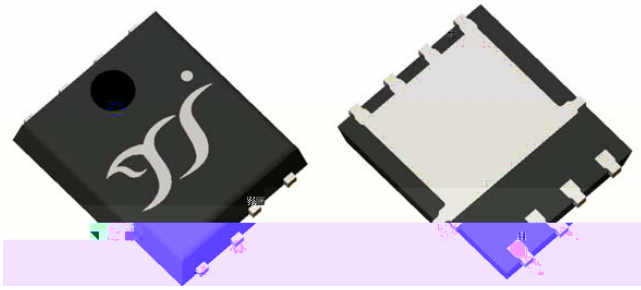


Schottky Diodes



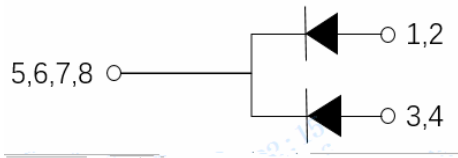
Features

```
" +LJK IUHTXHQF\ RSHUDWLRQ
" +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ HQ
HQKDQFHG PHFKDQDQDQOPRWWUMXUWKUHVLVWD
" *XDUG ULQJ IRU HQKDQFHGQDQJXGWHUP UH
" 3DUW QR ZLWKHQXVL$(3& 4 TXDOLILHG
```

Typical Applications

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

Mechanical Data = $\frac{1}{2} d l m \Phi$



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

" **Polarity** \$ V P D U N H G

Maximum Ratings 8 Q O H V V R W K H U A L V H V S H F L I L H G

PARAMETER	SYMBOL	UNIT	MBR645P5CQ
'HYLFH PDUNLQJ FRGH			0 % 5 3 &
5HSHWLWLYH SHDN UHYHUVH YRQWDJH 9			
\$YHUDJH 5HFWLILHG 2XWSXW ZDYH 7	&XUUHQW # 2	\$	+J VLQH
)RUZDUG 6XUJH &XUUHQW 1RQ UHSHWLWLYH # +J 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 YROWDJH SHU GLRGH			) \$	7. -		
			) \$	7. -		
7\SLFDO MXQFWLRQ FDSDFLWDQFH SHU GLSRGH)9 I &0+]					9	
, QVWDQWDQHRXV UHYHUVH FXUUHQW SHU GLRGH			) \$	7. -		
				7. -		

<DQJ]KRX <DQJMEFH0K0R0RDL&R /VZ \DQJMLH F



MBR645P5CQ

■Thermal Characteristics 7D 8QOHVV RWKHUZZLVH VSHFLILHG

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

1RWH

7KHUPDO UHVLVWDQFH EHWZHHQ MXQFWLRQDQG DPELHQW FRXS\$WHGS 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 UHH

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 WKULUDHQHJKRXFKDRQQOZH F(QHFORURQLF /VHG UHV
ULJKW WR PDNLHWKRDQWQHVLVSHFIRIWRVSLRQG RFWV GLVSPDURYGHKUHUOLQEWGLVVLJQQF
RU RWKHUZZLVH

ÄQ3 %5Q =@ VUHÄNLJULYJESBFWLÄ`PÄT €€äP€Ä @ 33Ö •€0P0€äP€ÄQRWLFUH ÄQW@`PTKV

ä•0Ä33ÖÐpp€ • V t!XPKH LQI G3 ä€P€4!XRÔ PP'tÄ<YPP0€P€WLT T!\Yf ä