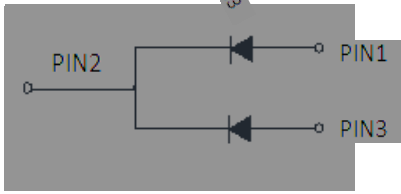
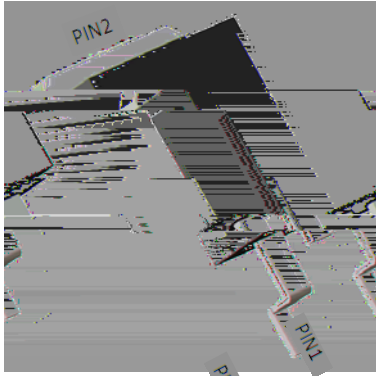




Schottky Diodes



Features

- " +LJK IUHTXHQF\ RSHUDWLRQ
- " +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ HQ
- HQKDQFHG PHFKDQD QDOPRWWXUWKUHVLVWD
- " *XDUG ULQJ IRU HQDQVFBGUDRQJHGWHUP UH
- " 0HHWV 06/ OHYHO S\UPDLPXP SHDN RI

" Polarity \$V PDUNHG

Maximum Ratings

PARAMETER	SYMBOL	UNIT	MBRB20100CT	MBRB20150CT	MBRB20200CT
Reverse Voltage	V _R	V	0.5	0.5	0.5
Forward Current (I _F)	I _F	A	1.0	1.0	1.0
Forward Voltage (V _F)	V _F	V	0.6	0.6	0.6
Power Dissipation (P _D)	P _D	mW	7	7	7
Storage Temperature (T _{STG})	T _{STG}	°C	-65 to 175	-65 to 175	-65 to 175
Operating Temperature (T _{OP})	T _{OP}	°C	-65 to 175	-65 to 175	-65 to 175

Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBRB20100CT	MBRB20150CT	MBRB20200CT
Reverse Leakage Current (I _R)	I _R	µA	V _R = 0.5V, I _F = 0	10	10	10
Forward Voltage (V _F)	V _F	V	I _F = 1.0A, T _J = 25°C	0.6	0.6	0.6
Dynamic Resistance (r _d)	r _d	Ω	I _F = 1.0A, V _F = 0.6V	10	10	10

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

1RWH 3XOVH WHVW SXOVH ZLGK P6



MBRB20100CT THRU MBRB20200CT

Thermal Characteristics 7D 8QOHVV RWKHUÅLVH VSHFLILHG

PARAMETER	SYMBOL	UNIT	MBRB20100CT	
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MBRB20100CT THRU MBRB20200CT



MBRB20100CT THRU MBRB20200CT

Disclaimer

7KH LQIRUPDWLRQ V GRFXPHQW LQ WKH JDQHJLRQF HDROOZHF (HGHFVRUR QLF /VHG UHV
ULJKW WR PDNLWKRDXW IRVLSH FRIW RYVSLRQG R F W W V GLV SFDARIGHKHUHLDEWOLWV L JQQ F
RU RWKHU ZLVH

7KH SURGXFWOLVGHG IJHGH WR EH HXWIRGWZLRQK R HG XQS R HQ W RU GHYLFHWWKDQG Q
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLMKHKE DIO IZQWOL R R X I H G G D E H G H W K D E K Q D O L I H
PHGLFDO LQVWUXO M Q R U W H D W L R Q H U T R L S E P H Q X F I O H D U U H D F W K H U F F R Q W U R R O O H W V D Q
GHYLFHV <DQJMLHVRV HOKBQH DQVXRIV QRRWHOSBRLVLEWVROVDIQ JGIDRPPMMFK LP
RIVDOH

7KLV SXEOLFDWLRQ SXOSSHUW HGHV L Q U R O P D X V S R Q L S G H Y R U X D G G L W L R Q D O L Q W R H U P D W L R
K W W ESZ \DQJMLHRFR PRQVXOW \RXU QH DUH V W <DQJMLHVMQVFDHOHV R I I L F H I R U I X U W