

/ Descriptions

WR0595

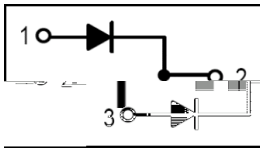
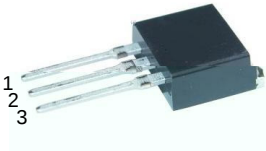
Schottky Diode in a TO-262 Plastic Package.

/ Features

Low power loss, high efficiency.

/ Applications

For use in low voltage,high frequency inverters, free wheeling, and polarity protection applications.

/ Equivalent Circuit**/ Pinning**

PIN1 Anode

PIN 2 Cathode

PIN 3 Anode

/ h_{FE} Classifications & Marking

See Marking Instructions.

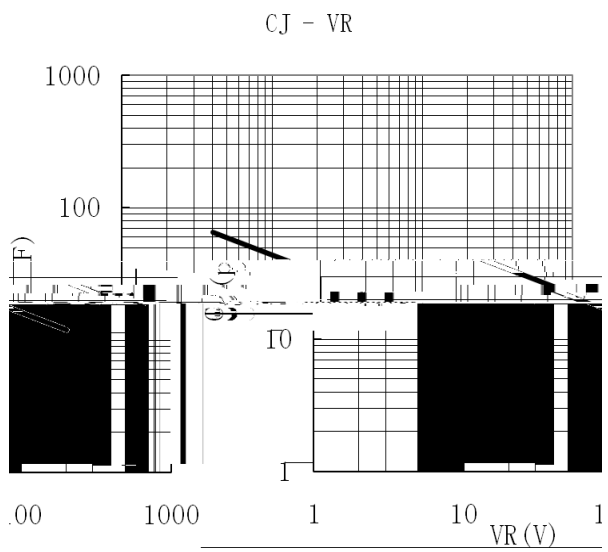
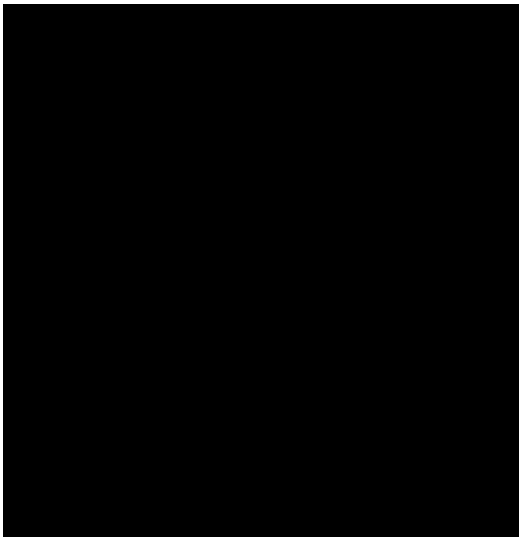
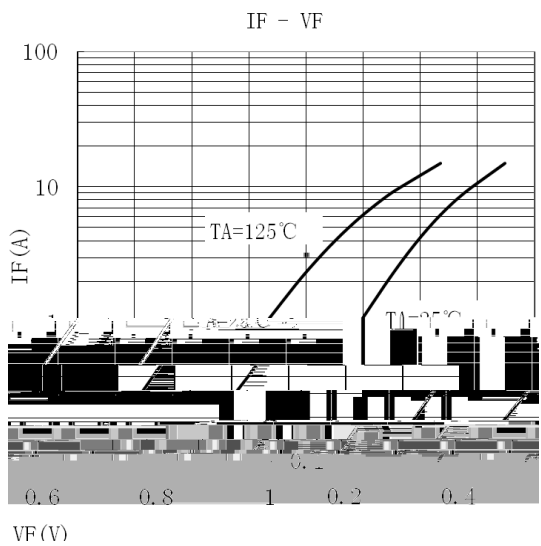
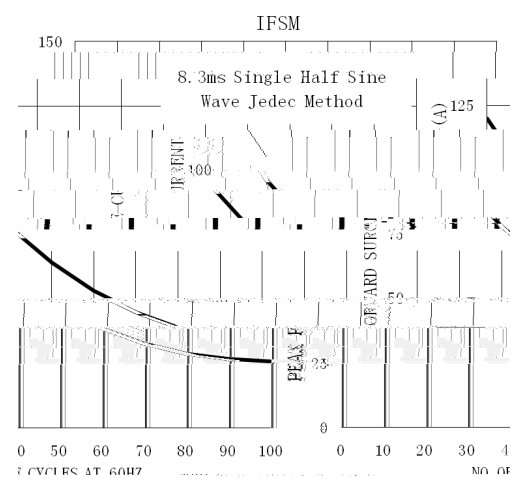
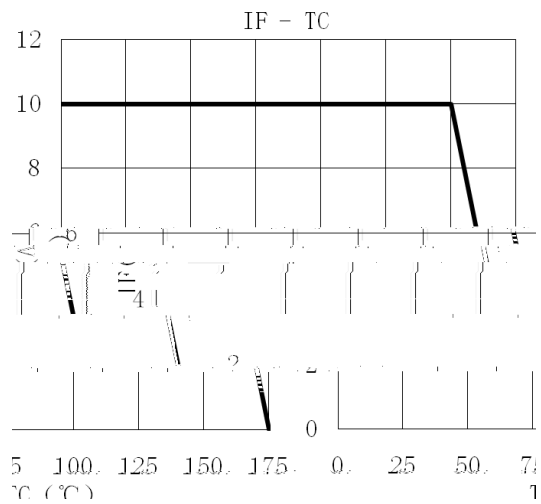
/ Absolute Maximum Ratings($T_a=25^\circ\text{C}$)

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Average Rectified Forward Current	$I_{F(AV)}$	10	A
Peak Repetitive Forward Current	I_{FRM}	10	A
Non Repetitive Peak Surge Current	I_{FSM}	150	A
Peak Repetitive Reverse Surge Current	I_{RRM}	0.5	A
Thermal Resistance Junction to Case	$R_{\theta JC}$	2.5	/W
Junction and Storage Temperature Range	$T_j T_{stg}$	-65 150	

/ Electrical Characteristics($T_a=25^\circ\text{C}$)

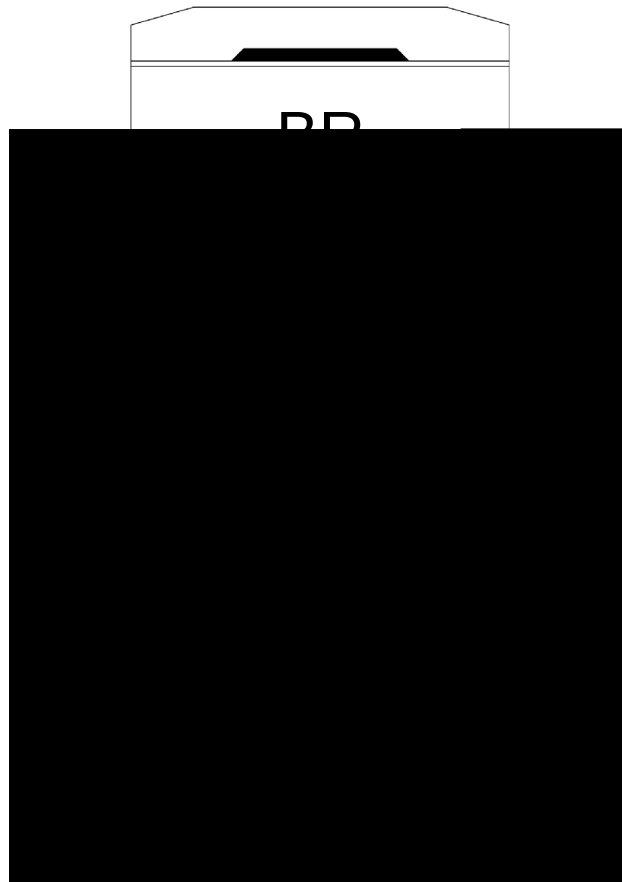
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R		200			V
Forward Voltage	V_{FM}	$I_F=5.0A(T_C=25^\circ\text{C})$			0.99	V
		$I_F=5.0A(T_C=125^\circ\text{C})$			0.87	V
Instantaneous Reverse Current	I_{RM}	$V_R=200V(T_C=25^\circ\text{C})$			0.15	mA
		$V_R=200V(T_C=125^\circ\text{C})$			150	mA
Voltage Rate of Change	dv/dt				10000	V/ μs

/ Electrical Characteristic Curve





/ Marking Instructions



EU

P EUD43533

FW:

Note:

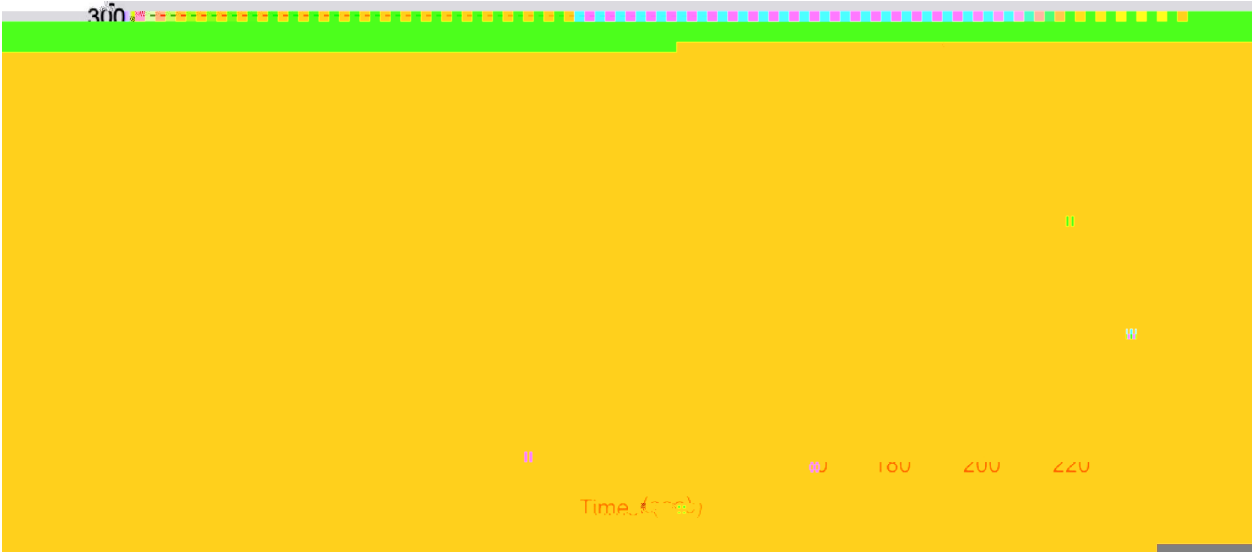
BR: Company Code

MBRA10200 Product Type.

CT: Internal Structure

***: Lot No. Code, code change with Lot No.

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- 1

25 150³/₈

60 90sec;
- 2

255²/₅³/₈

5²/_{0.5}sec;
- 3

2 10³/₈/sec.
- 1.Preheating:25~150³/₈, Time:60~90sec.

2.Peak Temp.:255²/₅³/₈, Duration:5²/_{0.5}sec.

3. Cooling Speed: 2~10³/₈/sec.

/ Resistance to Soldering Heat Test Conditions

270²/₅³/₈ 10²/₁ sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box

/ Notices