

/ Descriptions

WR0595 $\dot{M} \dot{M} \dot{E} \approx g^{\sim} \parallel \uparrow$

Schottky Diode in a TO-262 Plastic Package.

/ Features

$$\Omega^{\alpha} H_1 \otimes \tilde{\omega}^1 \otimes \omega$$

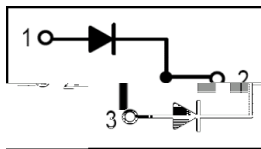
Low power loss, high efficiency.

/ Applications

$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ -1 & i \end{pmatrix}$

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

/ Equivalent Circuit



/ Pinning

PIN1 χ AnodePIN 2 χ Cathode

PIN 3 χ Anode

/ h_{FE} Classifications & Marking

٥ م ٦ ب ” See Marking Instructions.

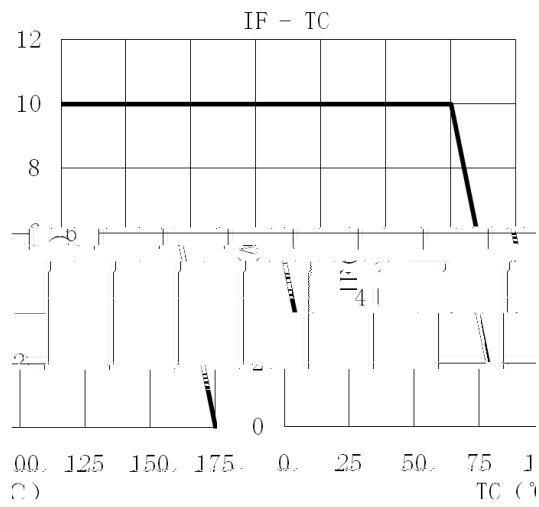
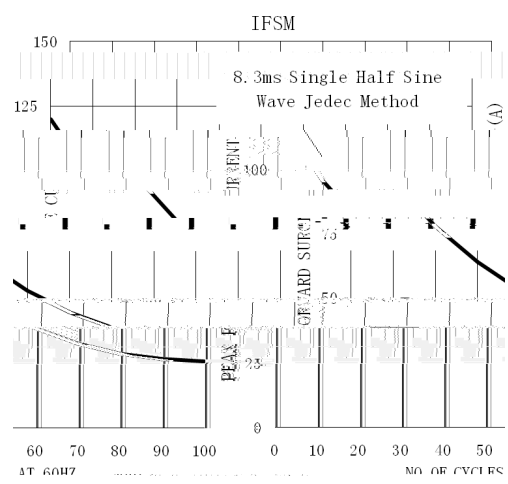
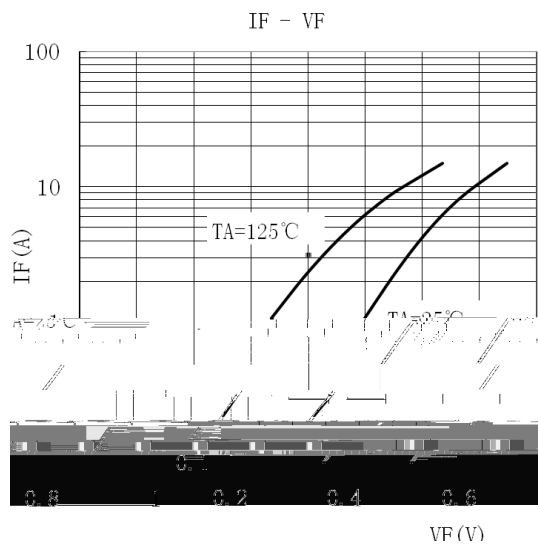
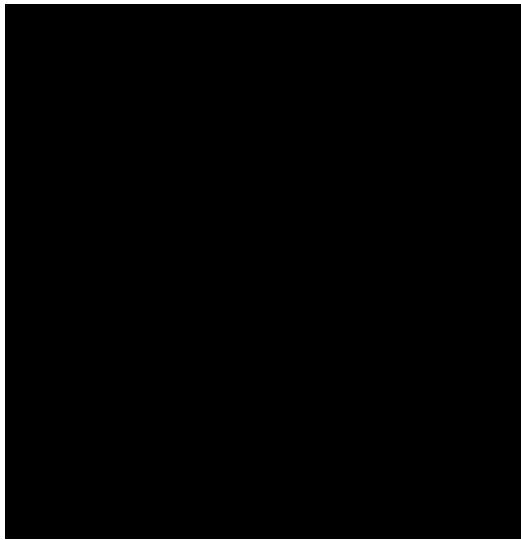
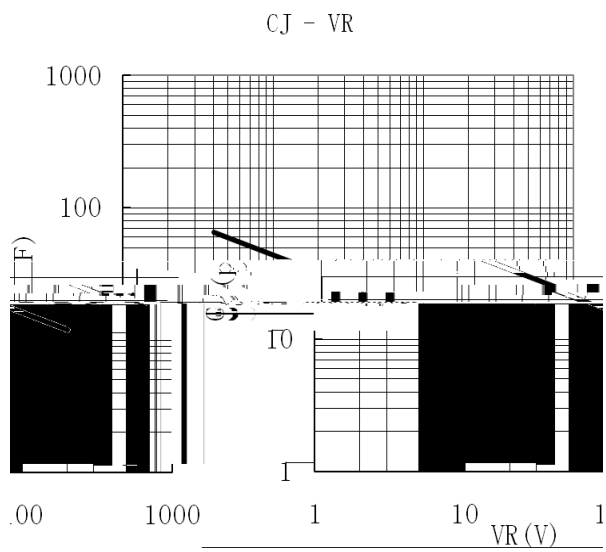
/ Absolute Maximum Ratings(Ta=25)

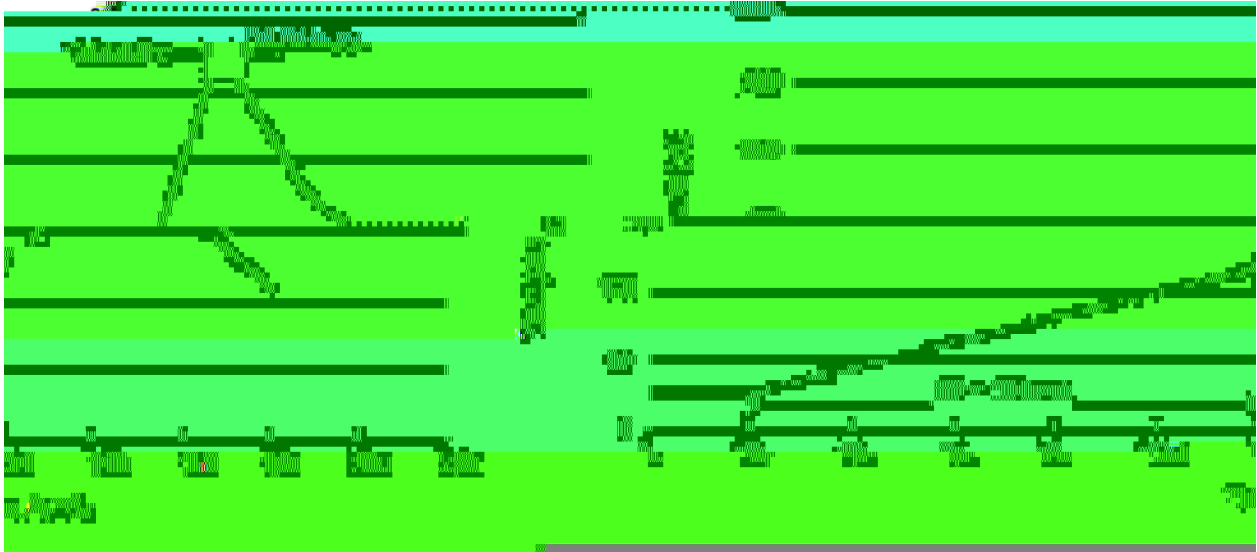
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Average Rectified Forward Current	$I_{F(AV)}$	10	A
Peak Repetitive Forward Current	I_{FRM}	10	A
Non Repetitive Peak Surge Current	I_{FSM}	150	A
Peak Repetitive Reverse Surge Current	I_{RRM}	0.5	A
Thermal Resistance Junction to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

/ Electrical Characteristics(Ta=25)

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

/ Electrical Characteristic Curve




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


б " X

1. 1. Preheating: 25~150 °C, Time: 60~90sec;

2. 2. Peak Temp.: 255 °C, Duration: 5~10 sec;

3. 3. Cooling Speed: 2~10 °C/sec.

Note:

1. Preheating: 25~150 °C, Time: 60~90sec.

2. Peak Temp.: 255 °C, Duration: 5~10 sec.

3. Cooling Speed: 2~10 °C/sec.

/ Resistance to Soldering Heat Test Conditions

□ °C 270 ± 5

Time: 10 ± 1 sec.

Temp.: 270 ± 5

Time: 10 ± 1 sec

/ Packaging SPEC.

1. 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