

LV30100PT

Rev.E Mar.-2016

WR06S M M 2 9 11 1

Schottky Barrier Diode in a TO-3P Plastic Package.

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Low forward voltage drop,low power losses,High efficiency operation.

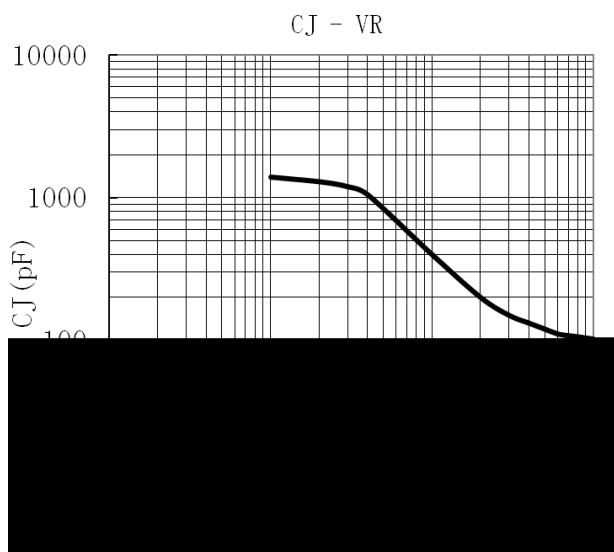
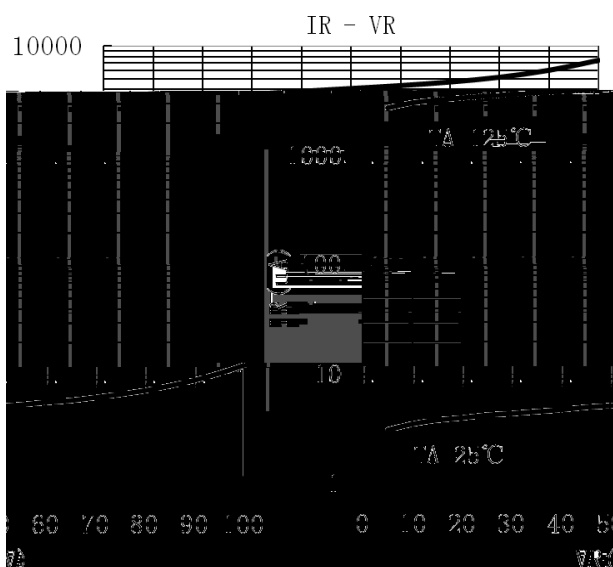
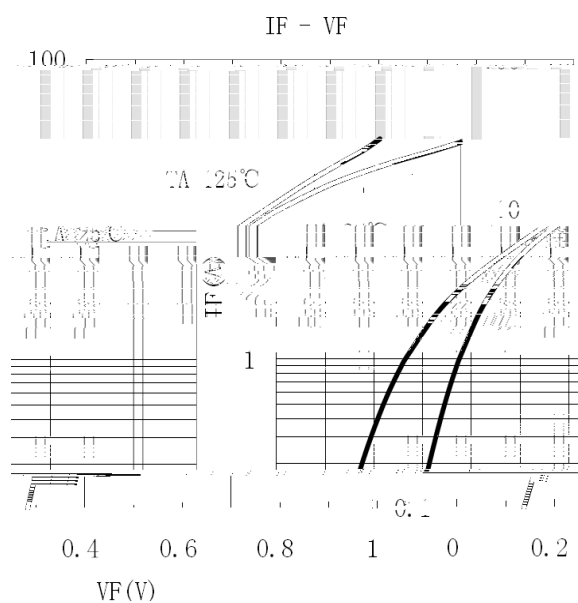
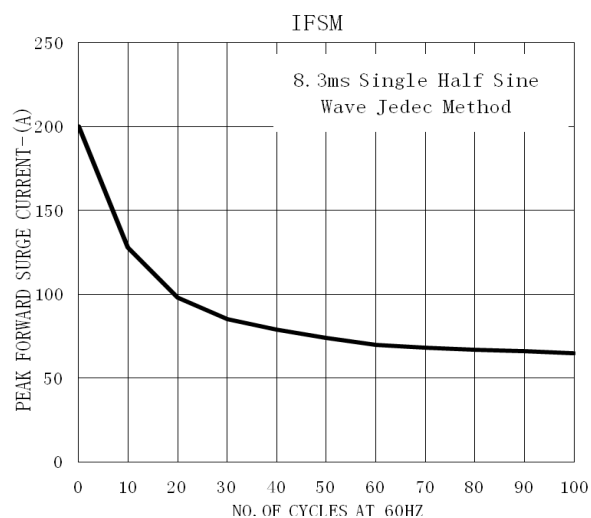
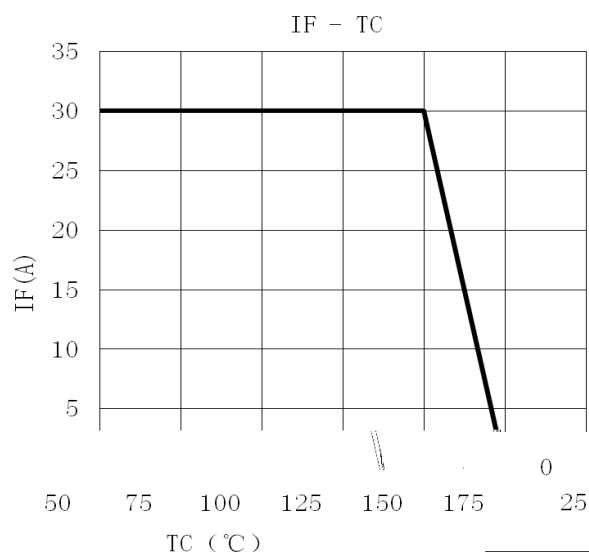
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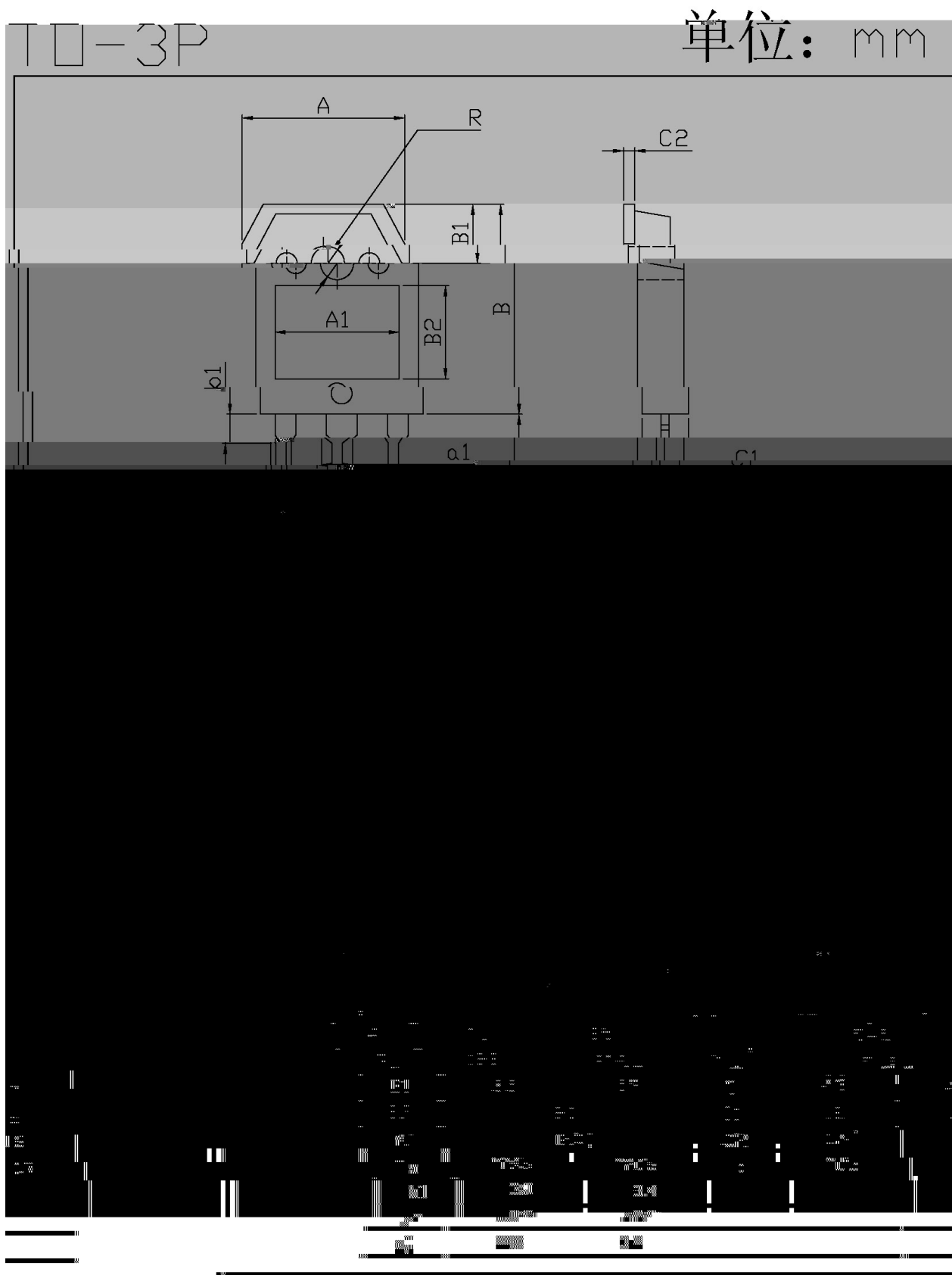
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	100	V
RMS Voltage	V_{RMS}	70	V
Average Rectified Forward Current	$I_{F(AV)}$	2×15	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	1.4	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40 +150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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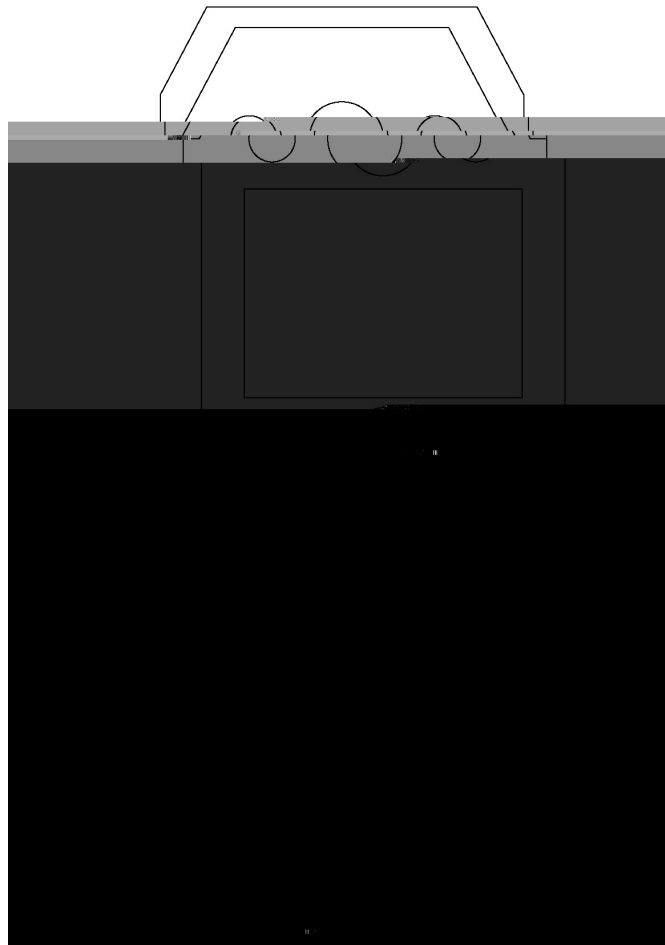
/ Electrical Characteristic Curve



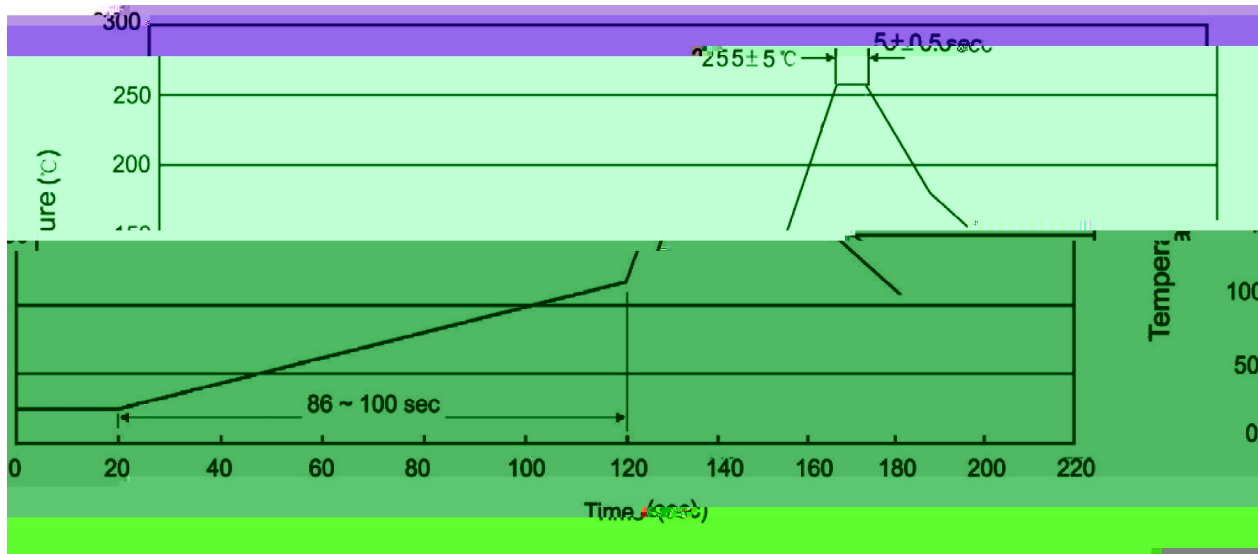
/ Package Dimensions



/ Marking Instructions



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



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1. 25 ~ 150 °C, Time: 60 ~ 90sec;
2. 255 ± 5 °C, Time: 5 ± 0.5sec;
3. Cooling Speed: 2 ~ 10 °C / sec.

Note:

1. Preheating: 25 ~ 150 °C, Time: 60 ~ 90sec.
2. Peak Temp.: 255 ± 5 °C, Duration: 5 ± 0.5sec.
3. Cooling Speed: 2 ~ 10 °C / sec.

/ Resistance to Soldering Heat Test Conditions

□ 270 ± 5 °C, 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