

LV30100PT

Rev.E Mar.-2016

WR06S 100V 1A 1.5W

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

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

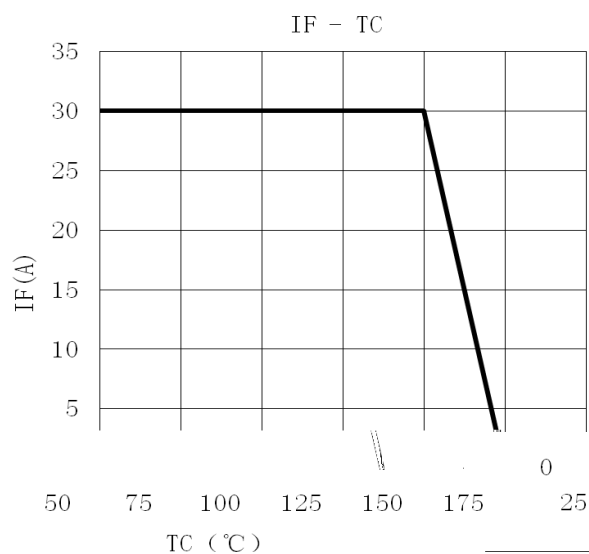
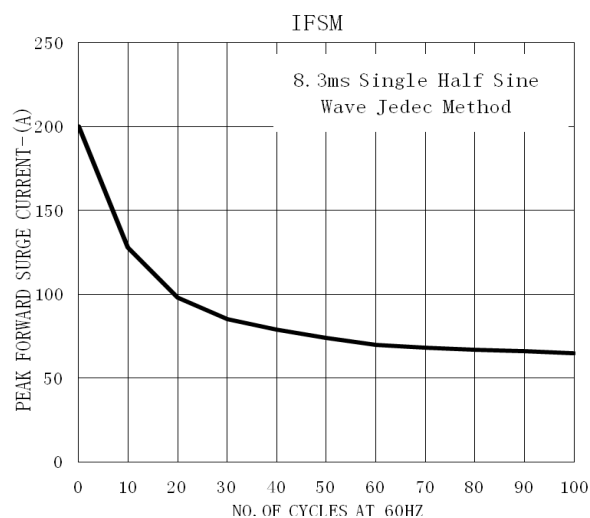
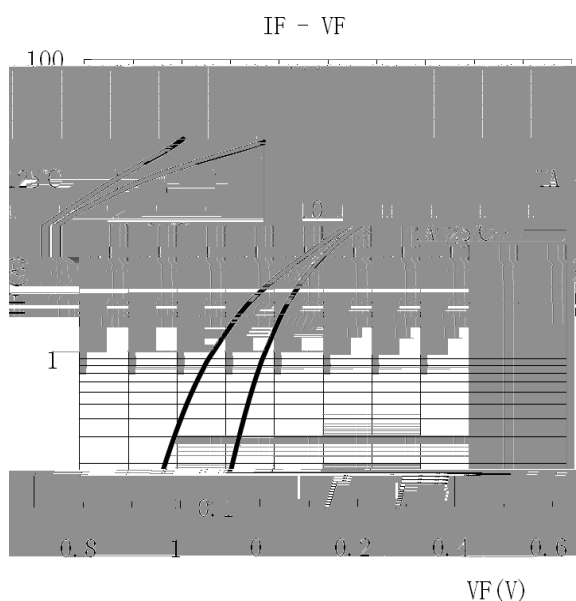
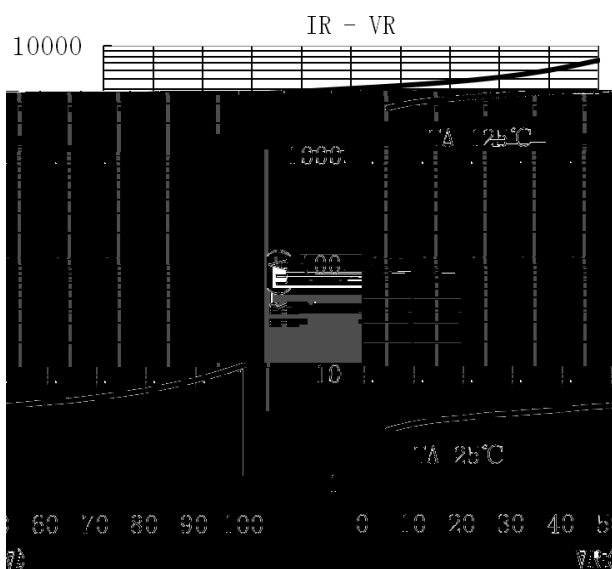
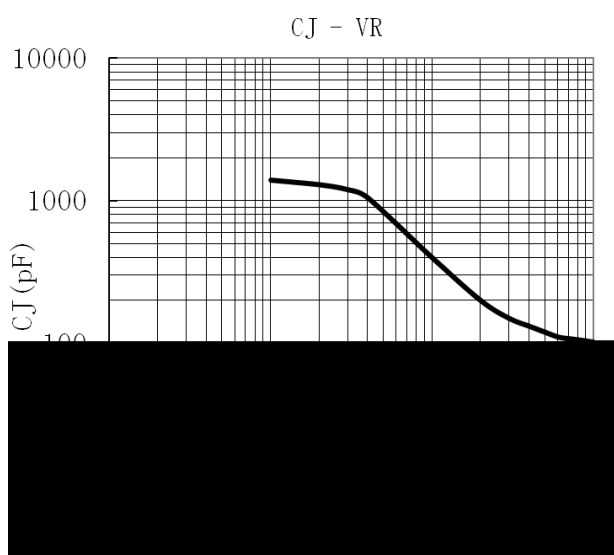
Low forward voltage drop, low power losses, High efficiency operation.

FSBREC

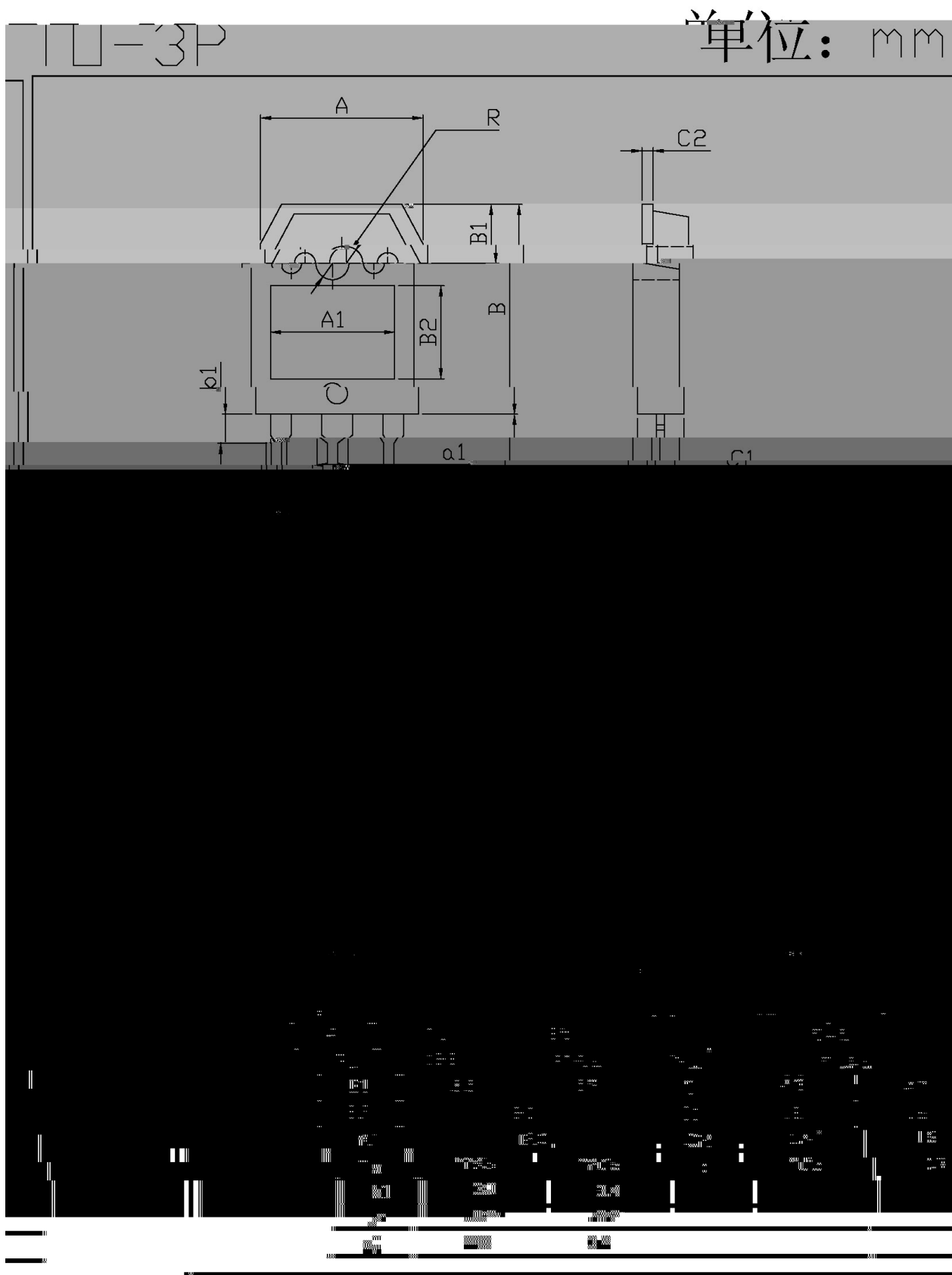
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	100	V
RMS Voltage	V_{RMS}	70	V
Average Rectified Forward Current	$I_{F(AV)}$	2×15	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Thermal Resistance Junction to Case	R_{JC}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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
-----------	--------	-----------------	-----	-----	-----	------

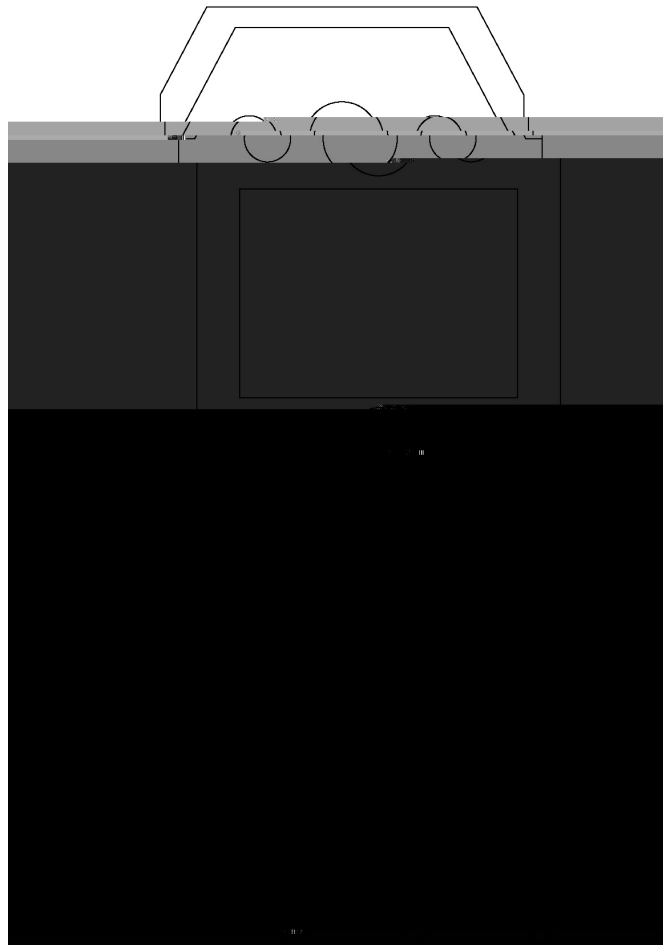
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



() / 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 °C 0.5sec;
3. 3. Cooling Speed: 2~10 °C /sec.

Note:

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

/ Resistance to Soldering Heat Test Conditions

□ °C 270 ± 5 °C °C 10 ± 1 sec. Temp.: 270 ± 5 Time: 10 ± 1 sec

/ Packaging SPEC.

1 γ t / TUBE

Package Type	Units					Dimension			(unit mm ³)	1 V>öH d,-/H Notia
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box		