

# LV2060CT

Rev.H Oct.-2018

## / Descriptions

TO-220

Schottky Barrier Diode in a TO-220 Plastic Package.

## / Features

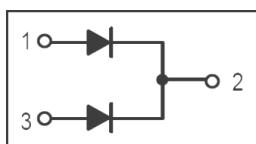
Low forward voltage drop, low power losses, High efficiency operation.

## / Applications

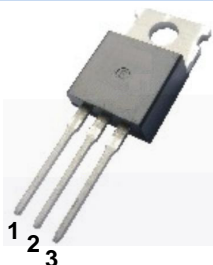
OR-ing      DC-DC

For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.

## / Equivalent Circuit



## / Pinning



PIN1 Anode      PIN 2 Cathode      PIN 3 Anode

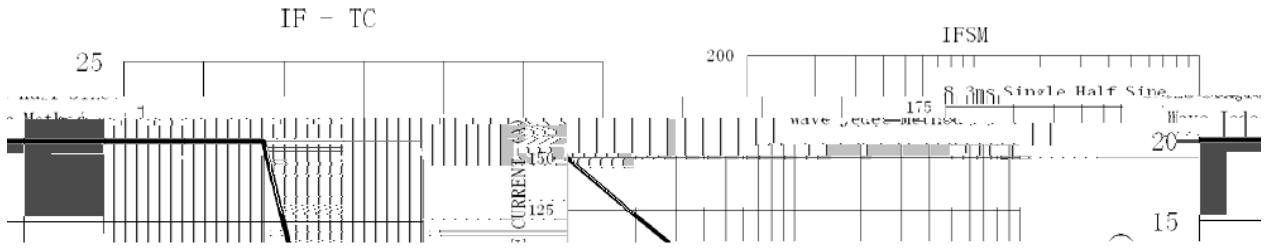
## / h<sub>FE</sub> Classifications & Marking

See Marking Instructions.

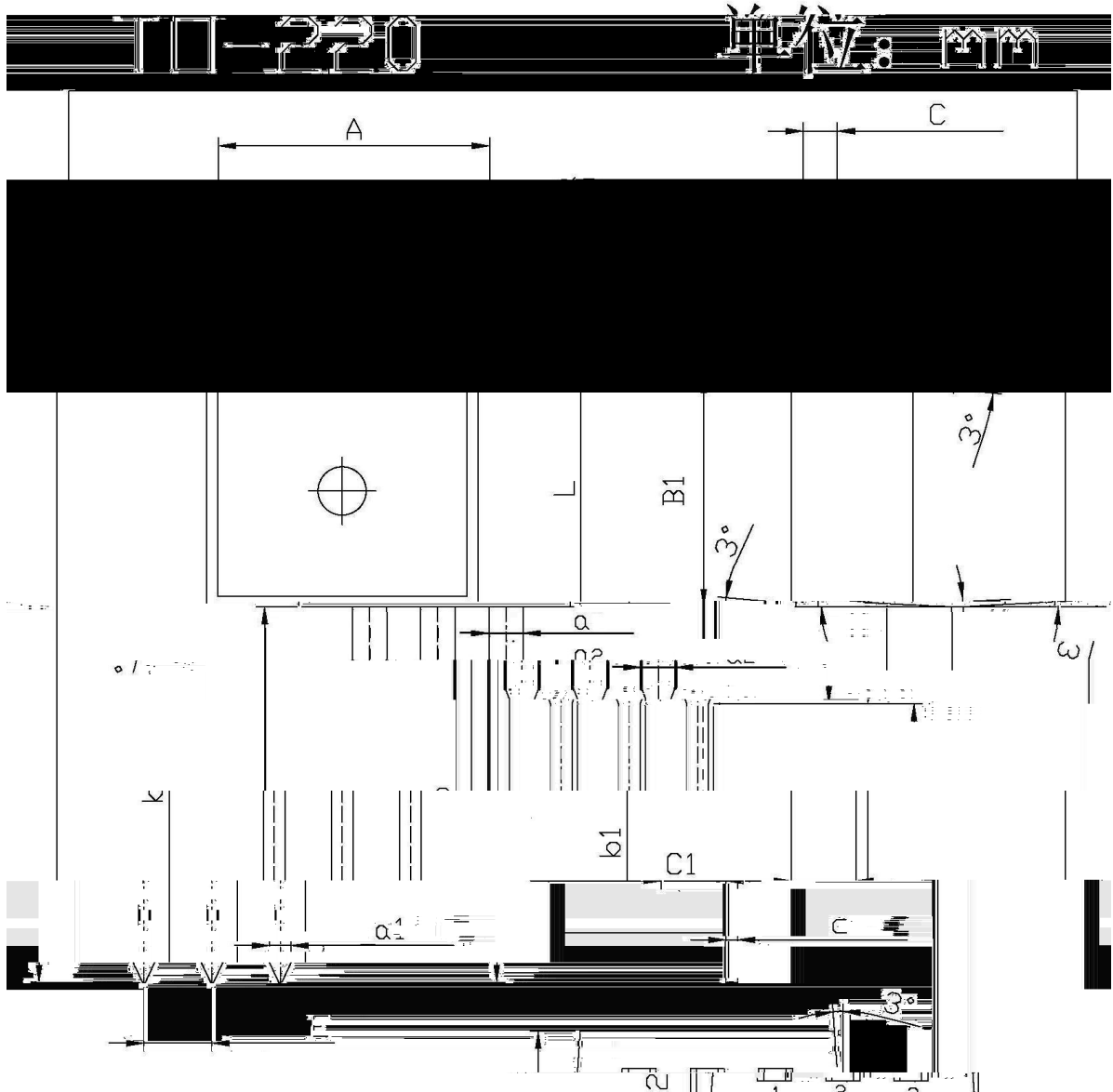
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	60	V
Average Rectified Output Current	$I_{F(AV)}$	2× 10	A
Non Repetitive Peak Surge Current	$I_{FSM}$	150	A
Thermal Resistance Junction to Case	$R_{Jc}$	2.8	/W
Junction and Storage Temperature Range	$T_j$ $T_{stg}$	-40 +150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
						Max 489.64

/ Electrical Characteristic Curve

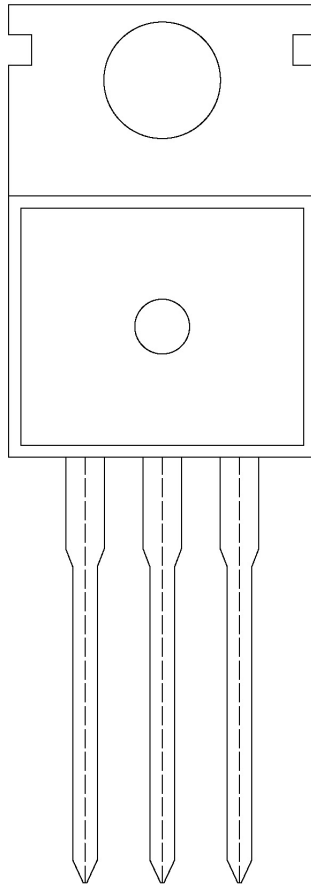


/ Package Dimensions

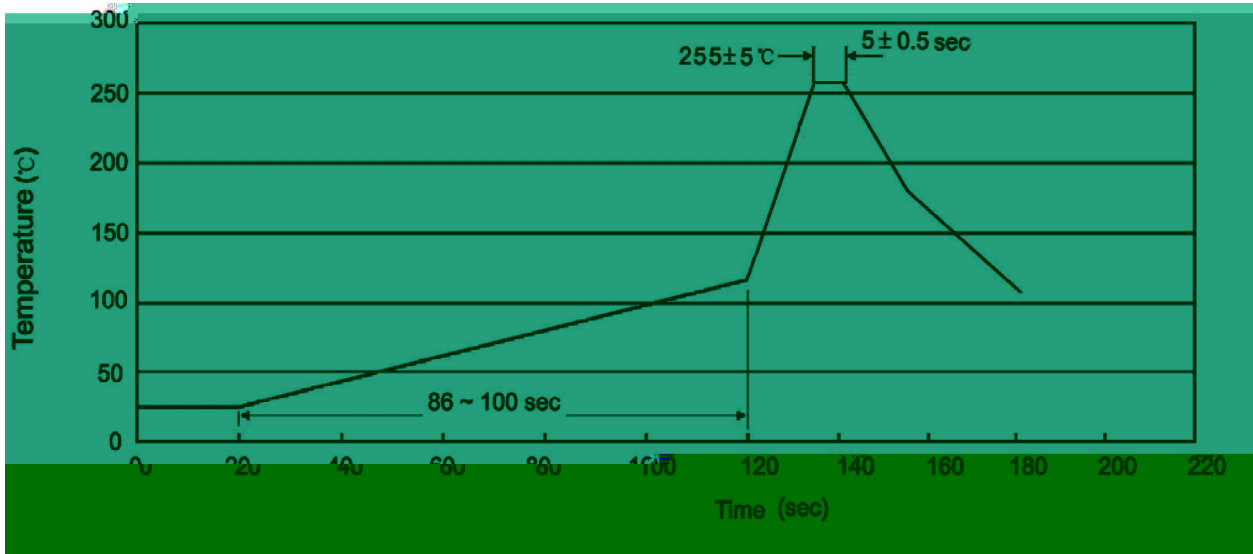


Symbol	Dimensions in milimeters		Symbol	Dimensions in millimeters	
	Min	Max		Min	Max
A	9.8	10.2	C	1.2	1.4
R	3.56	3.64	B	6.3	6.7
15.7	16.1	B1	9.07	9.4	
12.6	13.6	C1	2.2	2.6	
0.6	0.7	a	0.7	0.9	
a	1.22	1.32	C	0.4	0.6
0.2	0.27	C1	0.4	0.7	
0.2	1.25	1.45			

**/ Marking Instructions**



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



Note:

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

/ Resistance to Soldering Heat Test Conditions

270±5                      10±1 sec.                      Temp.:270±5                      Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

/ Notices