

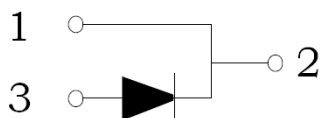
Rev.H Apr.-2019

TO-220AC

Schottky Barrier Diode in a TO-220AC Plastic Package.

Low power loss,high efficiency .

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



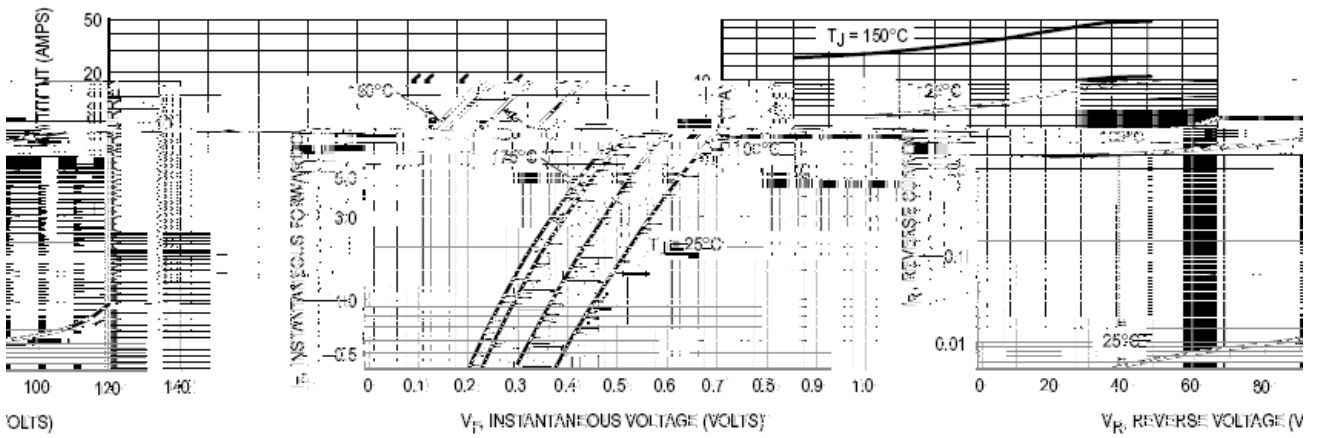
PIN1 2 Cathode

PIN 3 Anode

See Marking Instructions

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	$V_{RRM}$	100	V
RMS Voltage	$V_R$	100	V
Average Forward Rectified Current	$I_{F(AV)}$	10	A
Peak forward surge current	$I_{FSM}$	150	A
Typical Thermal Resistance Junction to Case	$R_{Jc}$	2.0	$^{\circ}C/W$
Junction Temperature Range	$T_j$	150	$^{\circ}C$
Storage Temperature Range	$T_{stg}$	-55~150	$^{\circ}C$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_R$	$I_R=10\mu A$	100			V
Forward Voltage	$V_F$	$I_F=10A$			0.7	V
		$I_F=10A$ $T_C=125^{\circ}C$			0.8	V
		$I_F=20A$			0.95	V
		$I_F=20A$ $T_C=125^{\circ}C$			0.85	V
Peak Instantaneous Reverse Current	$I_{RM}$	$V_R=100V$			0.1	mA
		$V_R=100V$ $T_C=125^{\circ}C$			6	mA



e Current

Figure 1. Typical Forward Voltage

Figure 2. Typical Reverse

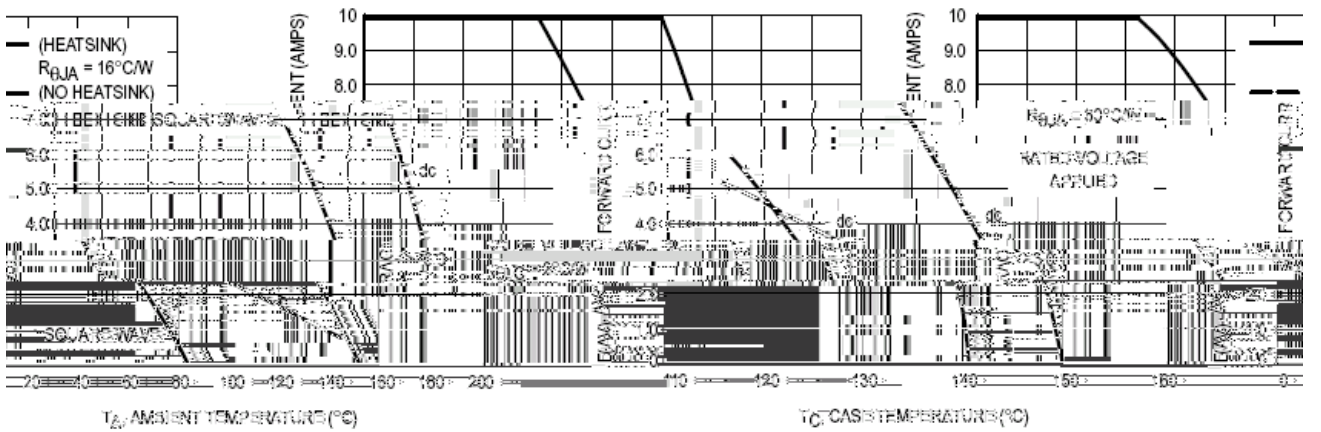
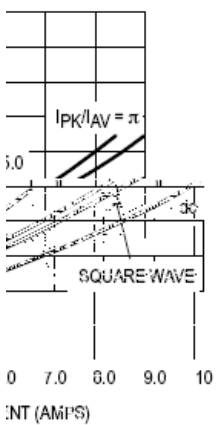


Figure 4. Current Derating, Ambient

Figure 3. Current Derating, Case



e Dissipation

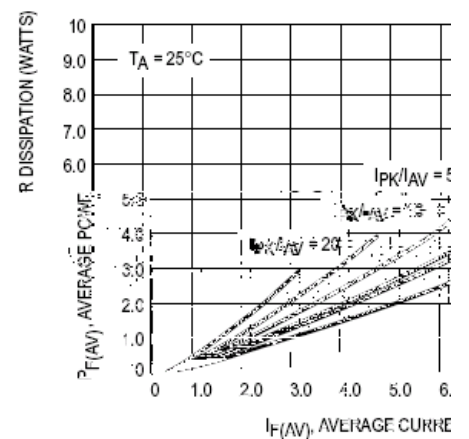
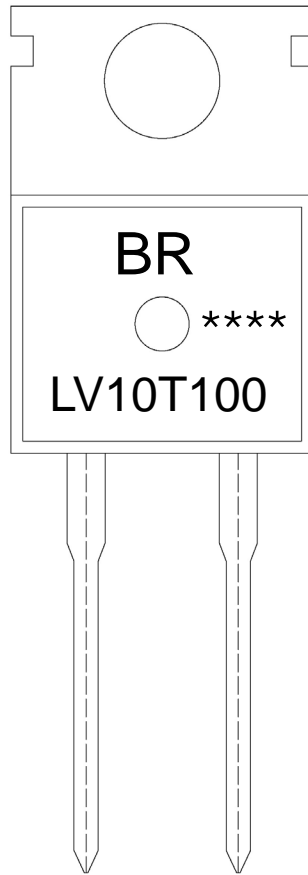


Figure 5. Forward Power

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BR

LV10T100

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Note:

BR:

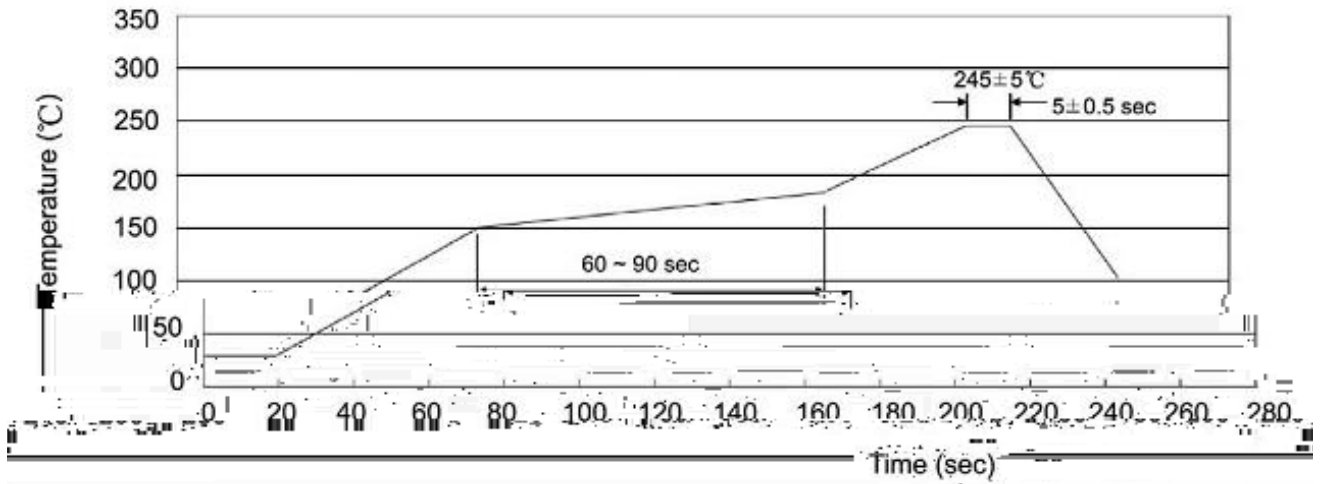
LV10T100

\*\*\*\*:

Company Code

Product Type.

Lot No. Code, code change with Lot No.


**Note:**

- |   |       |     |           |        |   |
|---|-------|-----|-----------|--------|---|
| 1 | 150   | 180 | 60        | 90sec; | 1.Preheating:150~180 , 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.            |

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

**/ 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/AC	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/AC	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180