

LV10T100D

Rev.F Mar.-2016

/ Descriptions

TO-252

Schottky Diode in a TO-252 Plastic Package.

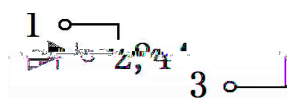
/ Features

High Forward Surge Capability, Ultra Low Forward Voltage Drop, Excellent High Temperature Stability.

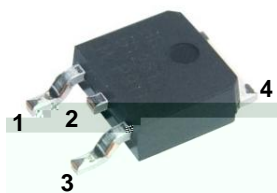
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN1 Anode

PIN 2,4 Cathode

PIN 3 Anode

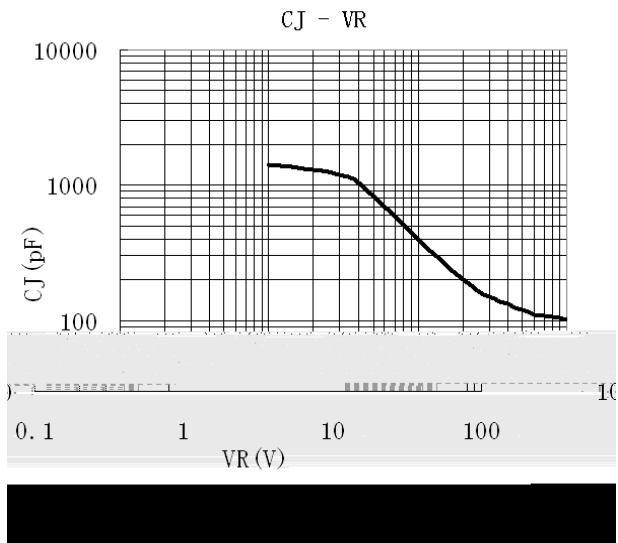
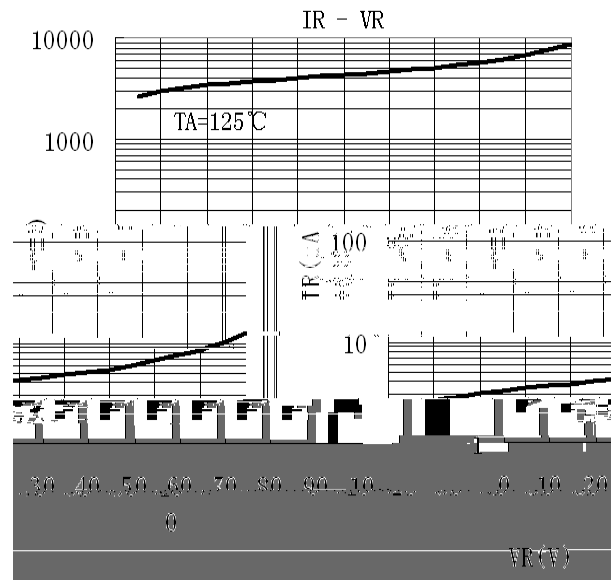
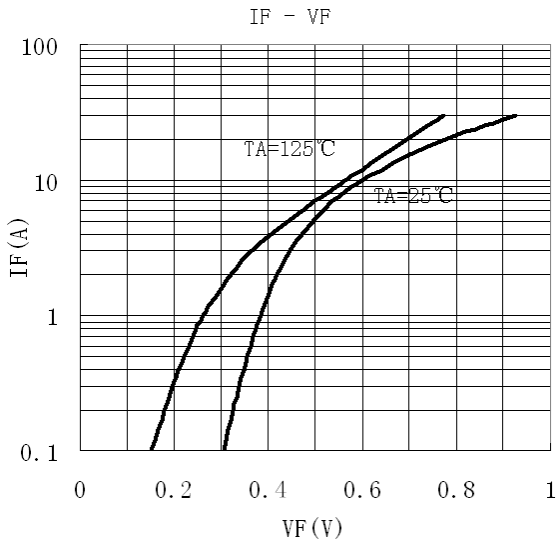
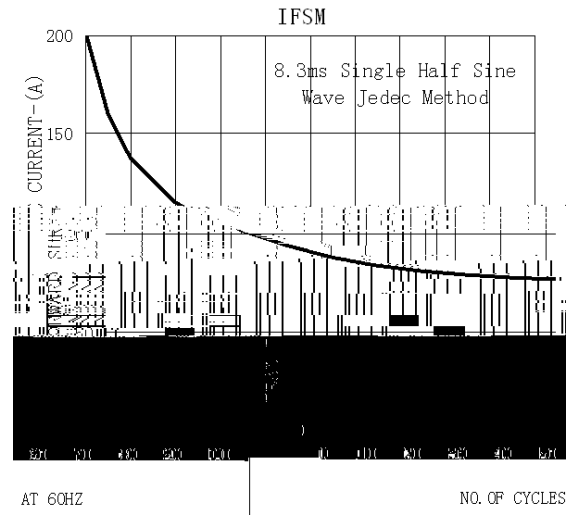
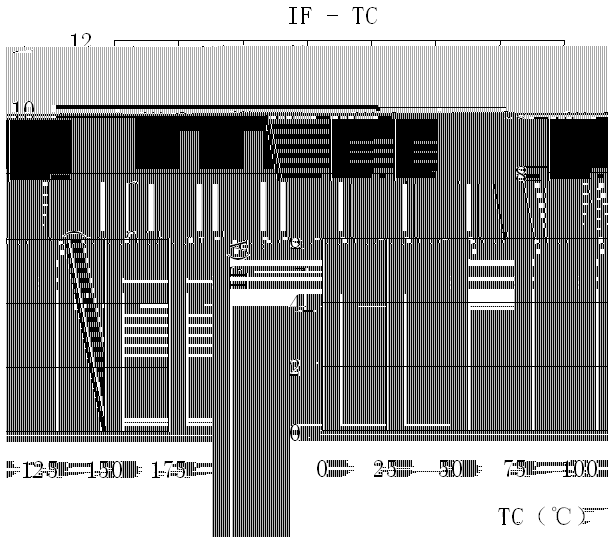
/ h_{FE} Classifications & Marking

See Marking Instructions.

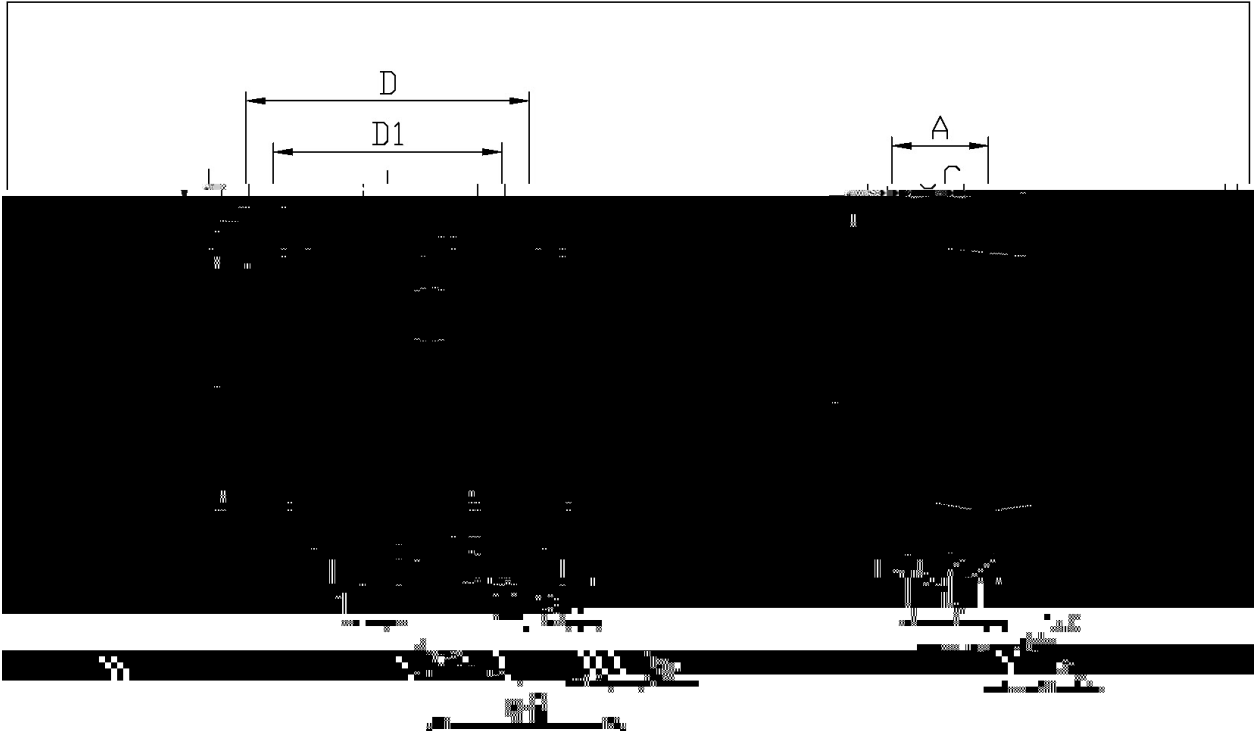
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	100	V
RMS Reverse Voltage	V_{RM}	70	V
Average forward rectified current	$I_{F(AV)}$	1×10	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Thermal Resistance Junction to Case	R_{Jc}	2.0	/W
Junction and Storage Temperature Range	T_j T_{stg}	-55 +150	

Parameter

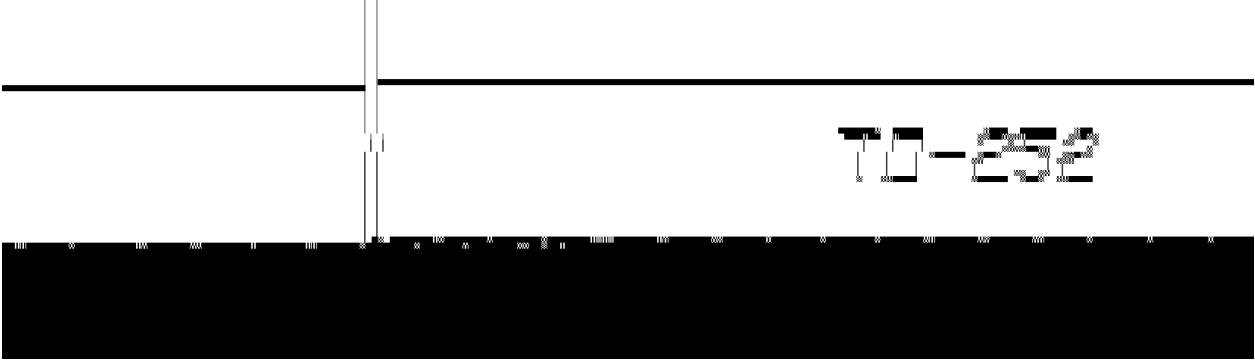
/ Electrical Characteristic Curve



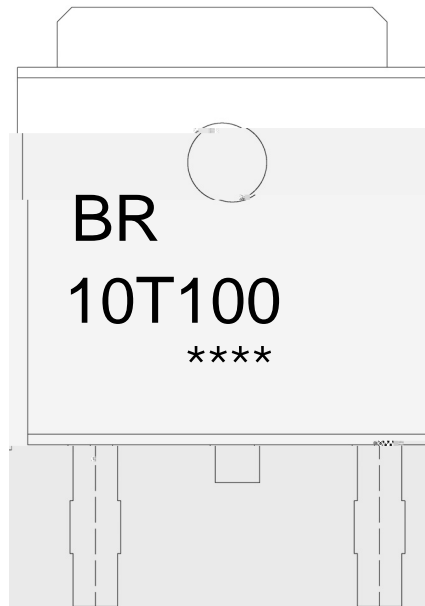
/ Package Dimensions



Pin No.	Function	Pin No.	Function	Pin No.	Function	Pin No.	Function
1	VCC	6	NC	11	NC	16	VCC
2	NC	7	NC	12	NC	17	NC
3	NC	8	NC	13	NC	18	NC
4	NC	9	NC	14	NC	19	NC
5	NC	10	NC	15	NC	20	NC



/ Marking Instructions



BR

10T100

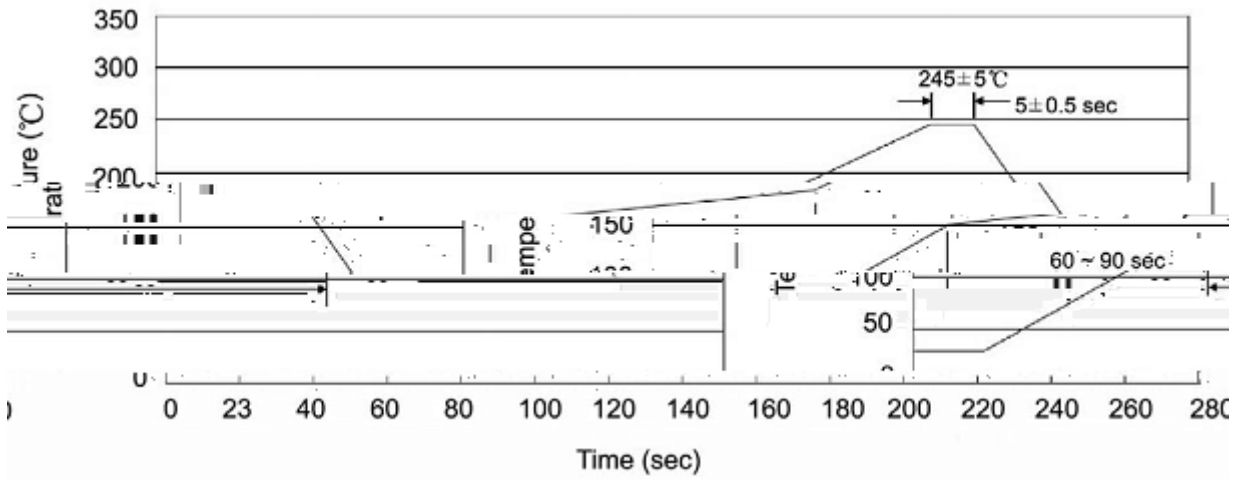
Note:

BR: Company Code

10T100 Product Type Code.

****: Lot No. Code, code change with Lot No.

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. |