

LV10T100D

Rev.F Mar.-2016

/ Descriptions

TO-252

Schottky Diode in a TO-252 Plastic Package.

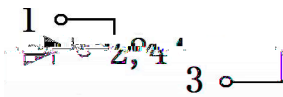
/ Features

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

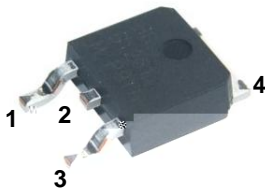
/ Applications

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

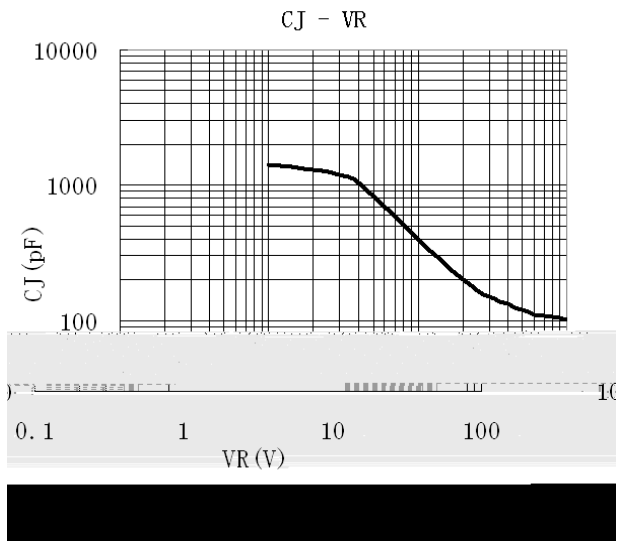
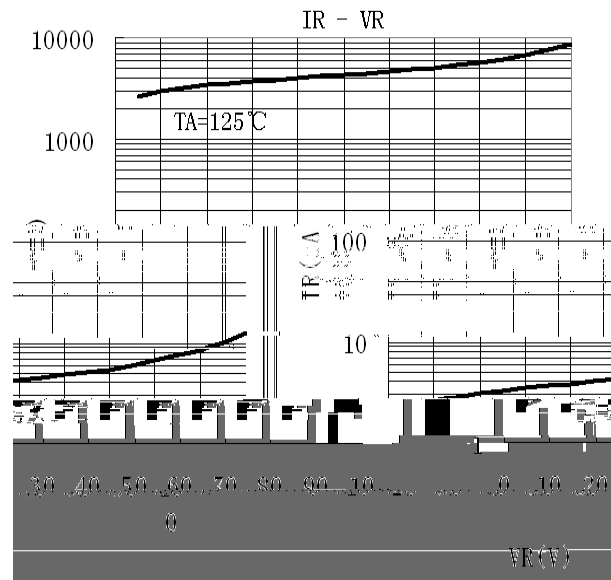
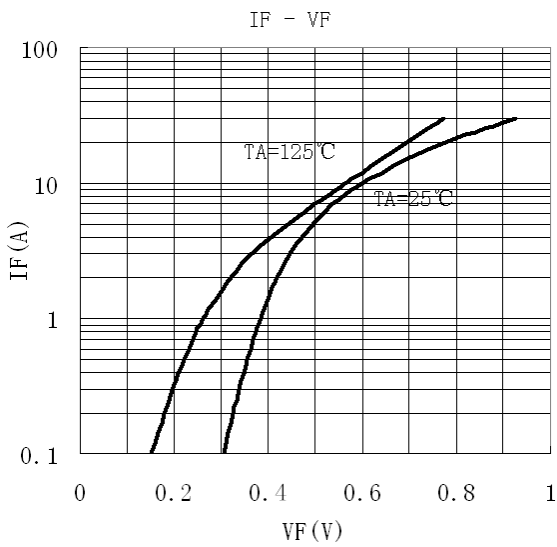
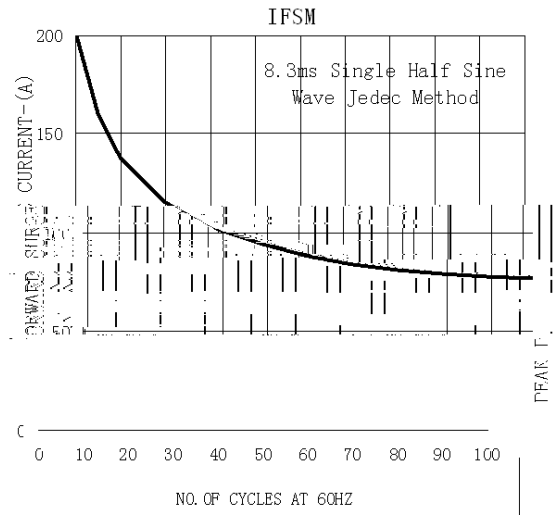
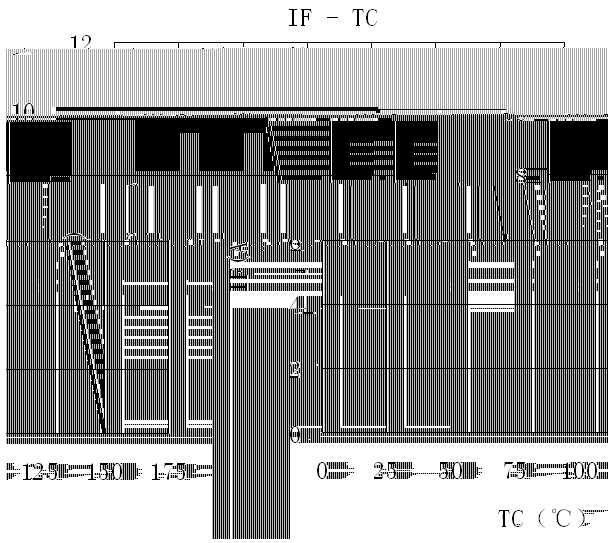
/ h_{FE} Classifications & Marking

See Marking Instructions.

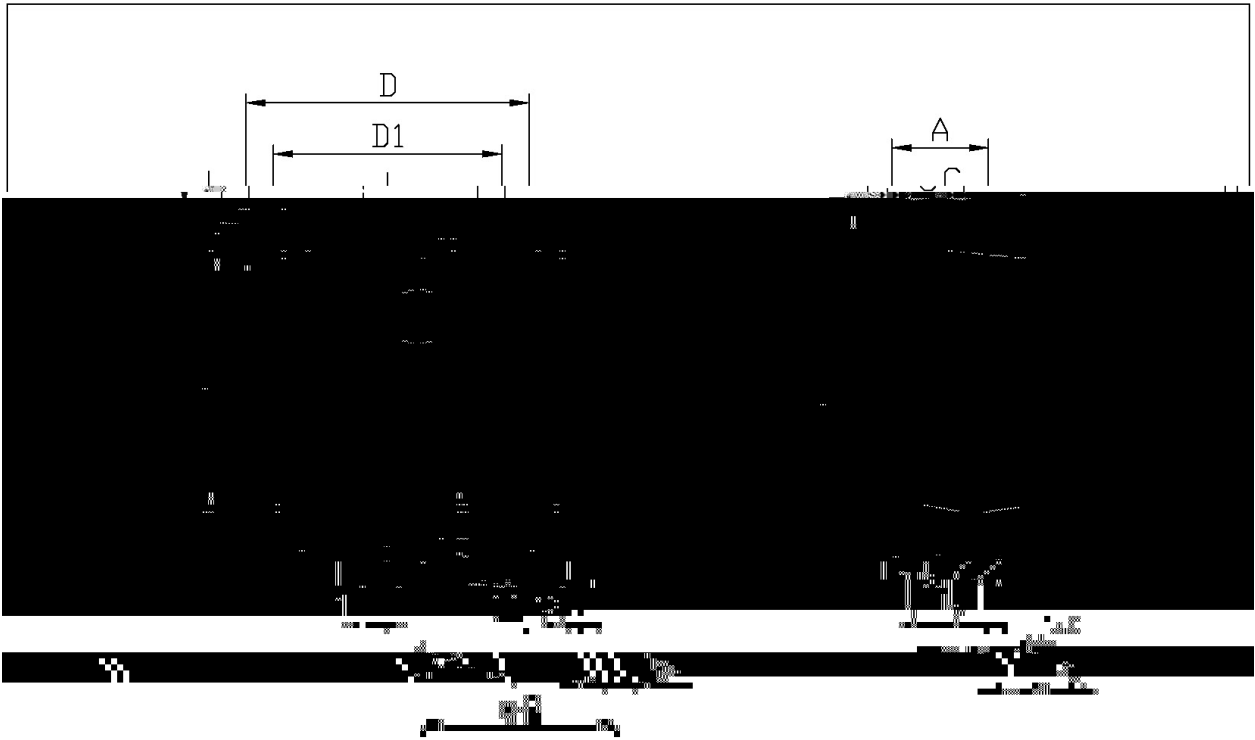
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	100	V
RMS Reverse Voltage	V_{RM}	70	V
Average forward rectified current	$I_{F(AV)}$	1×10	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Thermal Resistance Junction to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

Parameter

/ Electrical Characteristic Curve



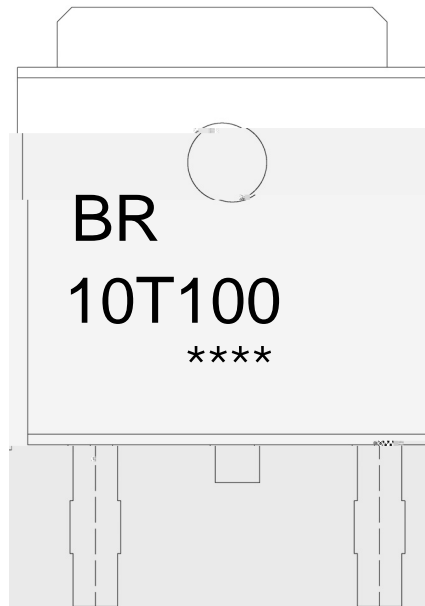
/ Package Dimensions



Symbol	Unit	Value	Symbol	Unit	Value
D	mm	10.0	$D1$	mm	6.0
A	mm	2.0	C	mm	3.0
L	mm	1.0	H	mm	1.0
E	mm	0.5	F	mm	0.5
G	mm	0.5	I	mm	0.5
J	mm	0.5	K	mm	0.5
M	mm	0.5	N	mm	0.5
O	mm	0.5	P	mm	0.5
Q	mm	0.5	R	mm	0.5
S	mm	0.5	T	mm	0.5
U	mm	0.5	V	mm	0.5
W	mm	0.5	X	mm	0.5
Y	mm	0.5	Z	mm	0.5



/ Marking Instructions



BR

10T100

Note:

BR:

Company Code

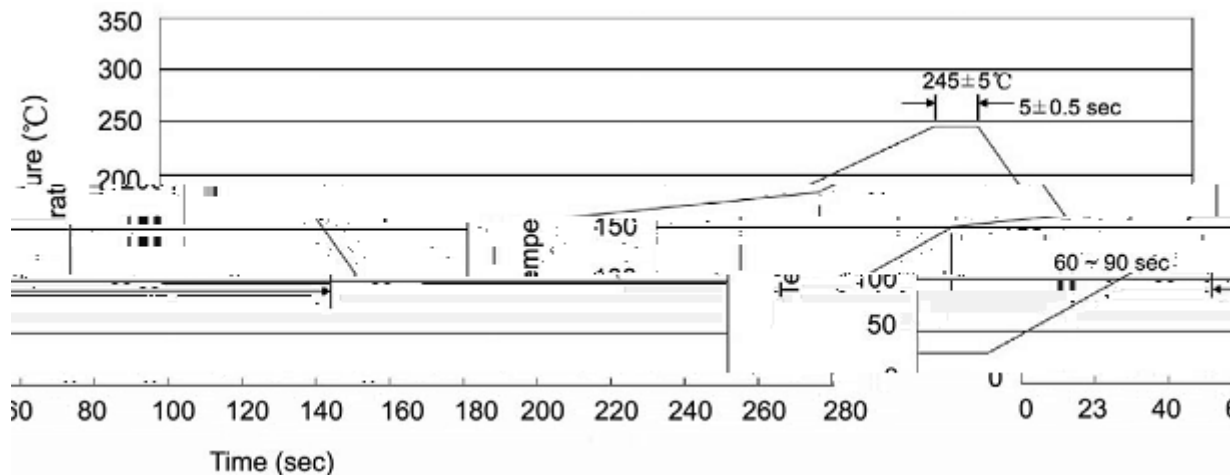
10T100

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. Cooling Sp.7(T)102 Tw[Cool20d205300b2c0686041e7j5 |