/ Descriptions

TO-252
Schottky Diode in a TO-252 Plastic Package.

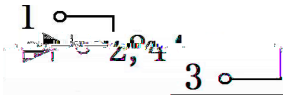
/ Features

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

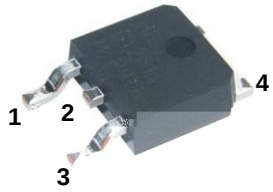
/ Applications

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

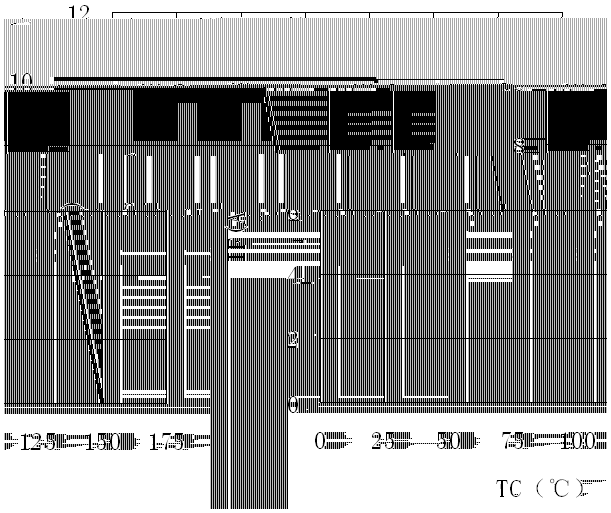
See Marking Instructions.

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	$I_{F(A}$	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	

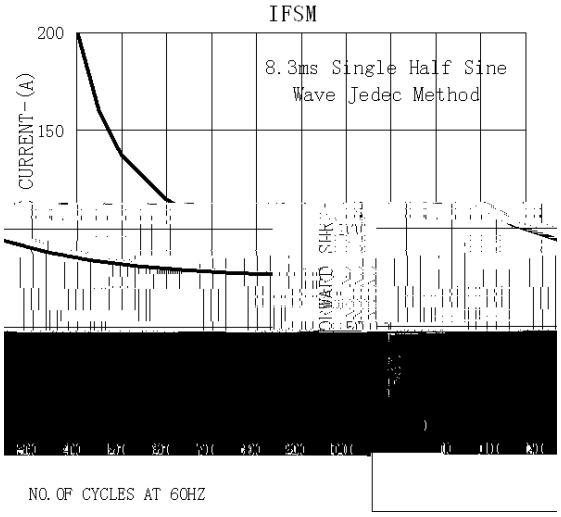
Parameter

/ Electrical Characteristic Curve

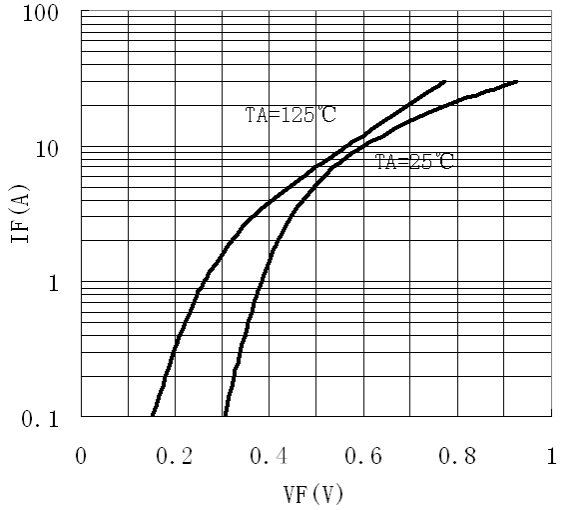
IF - TC



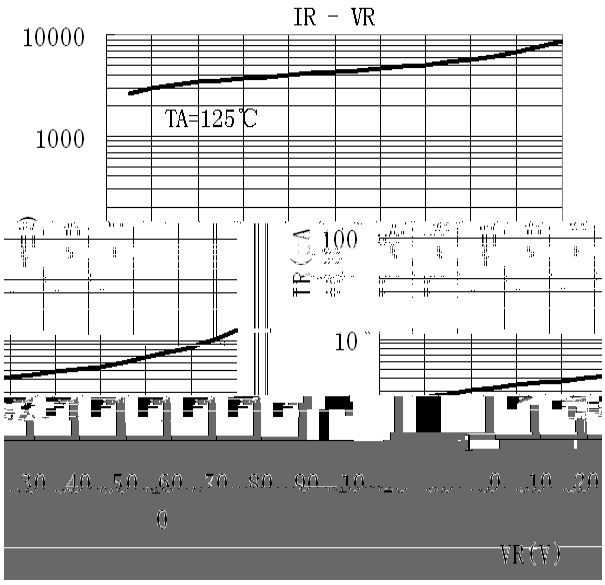
IFSM



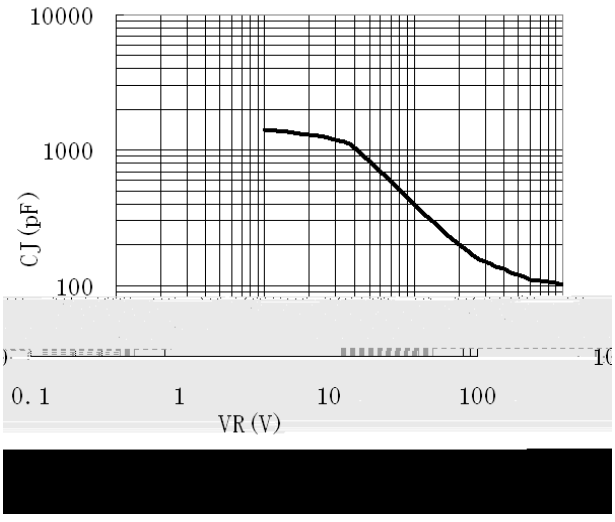
IF - VF



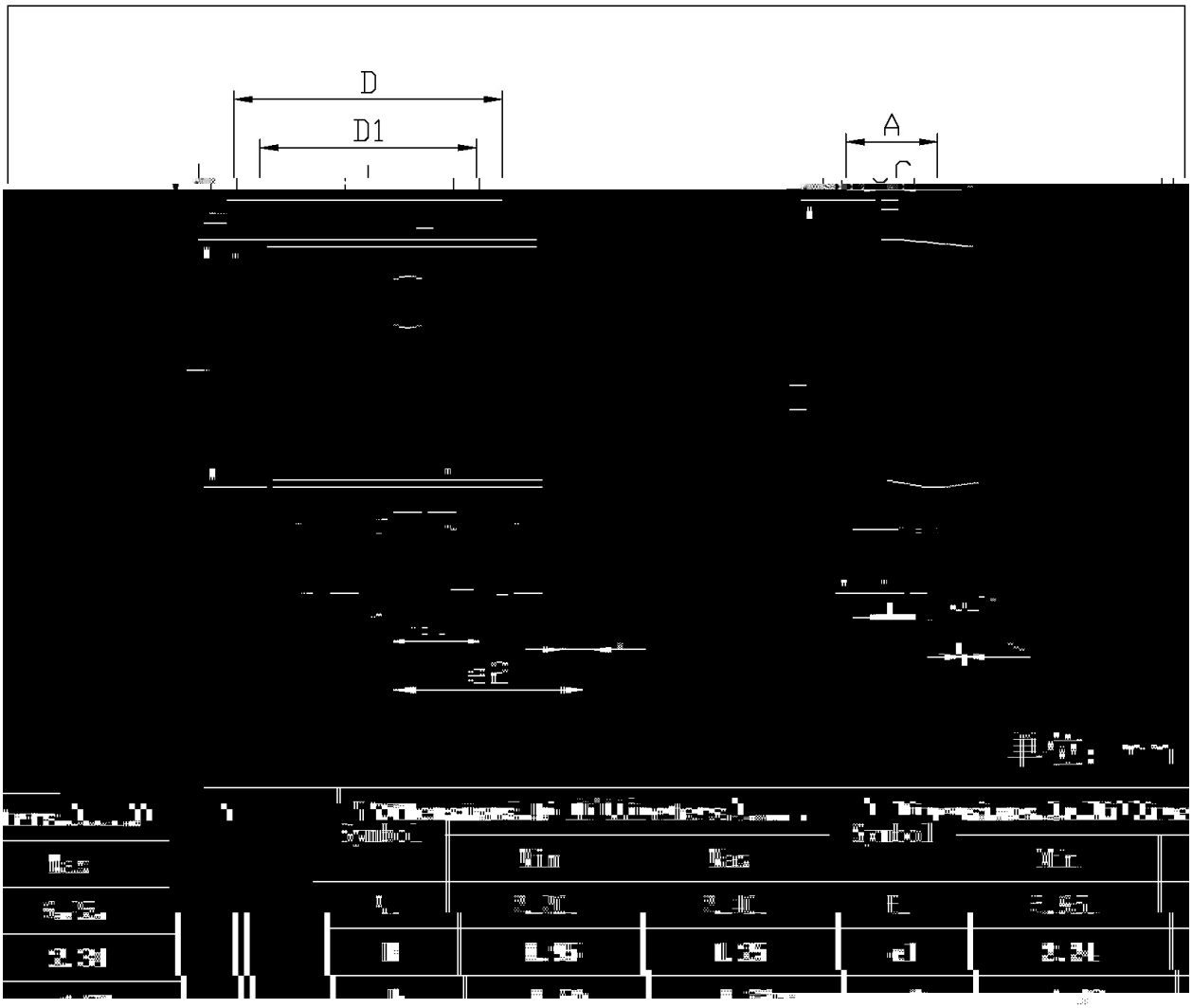
IR - VR



CJ - VR



/ Package Dimensions

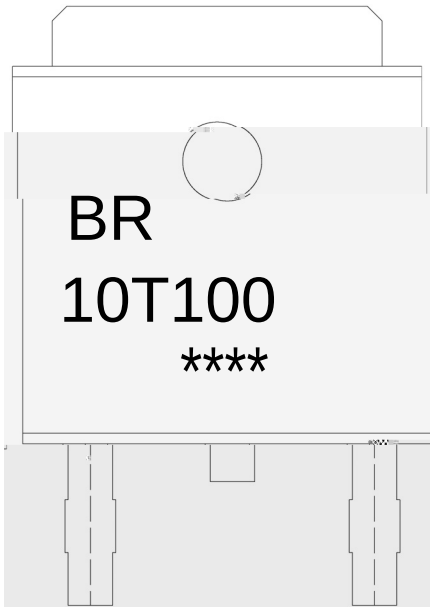


Symbol	Min	Max	Symbol	Min
L	2.90	3.10	E	2.65
L5	1.75	1.35	e1	2.24

0.90				
0.10	D1	5.10	5.50	K	0.00

TO-252

/ Marking Instructions



BR

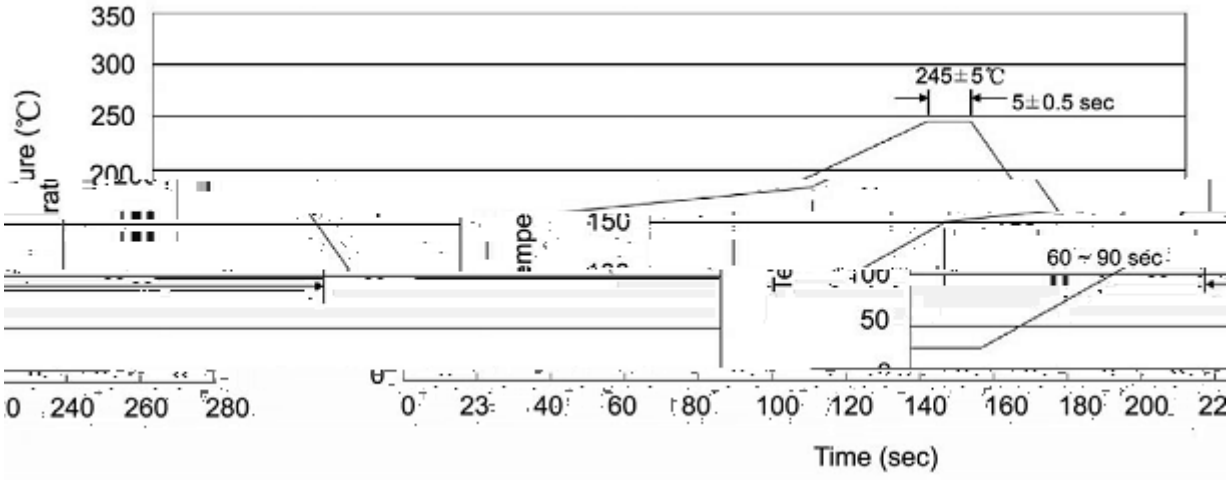
10T100

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Note:

BR:	Company Code
10T100	Product Type Code.
****:	Lot No. Code, code change with Lot No.

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



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