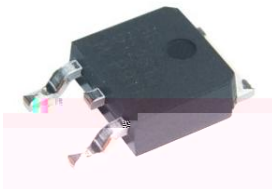
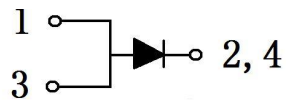


TO-252

Schottky Barrier Diode in a TO-252 Plastic Package.

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

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



PIN1 Anode

PIN 2,4 Cathode

PIN 3 Anode

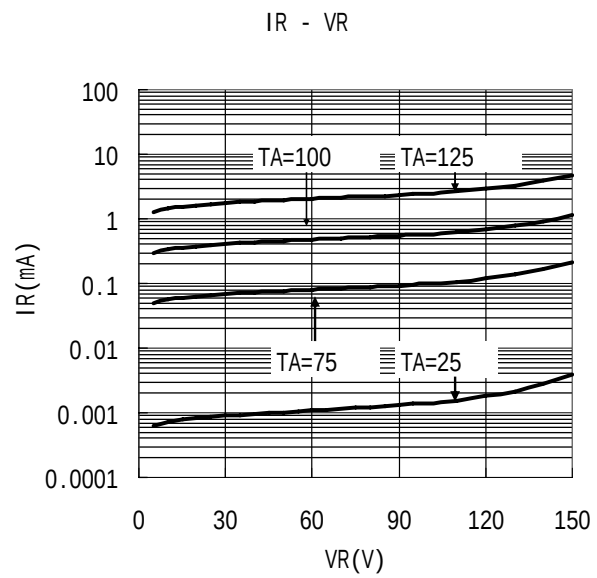
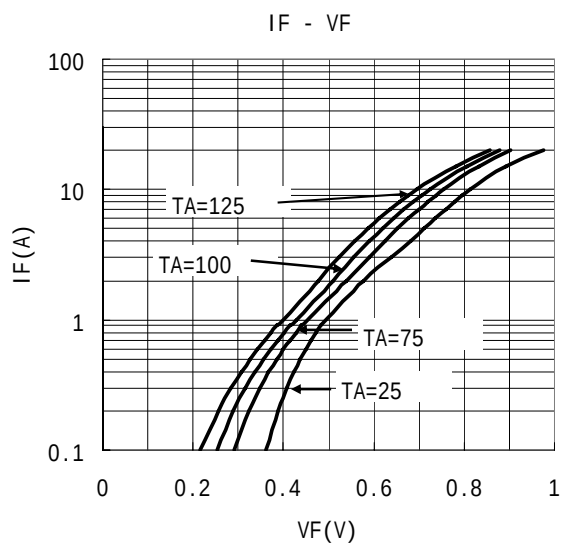
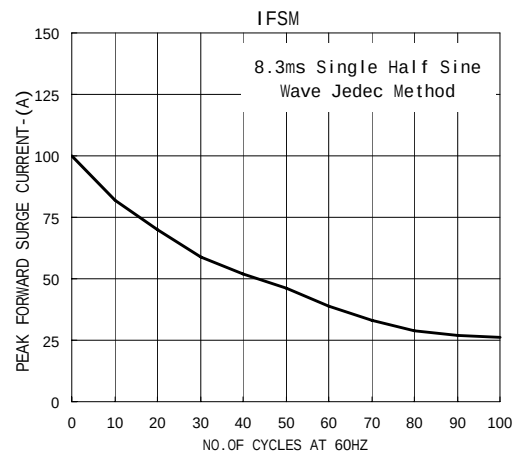
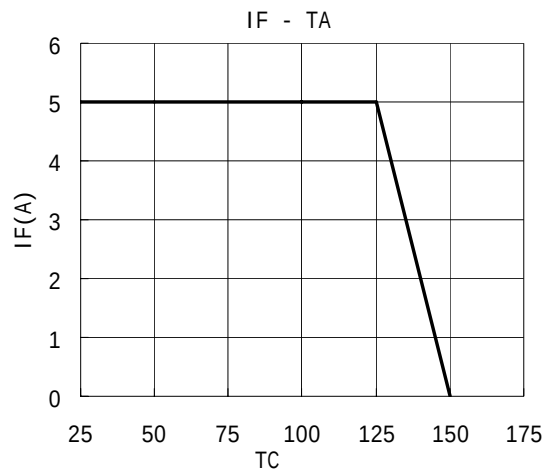
See Marking Instructions.

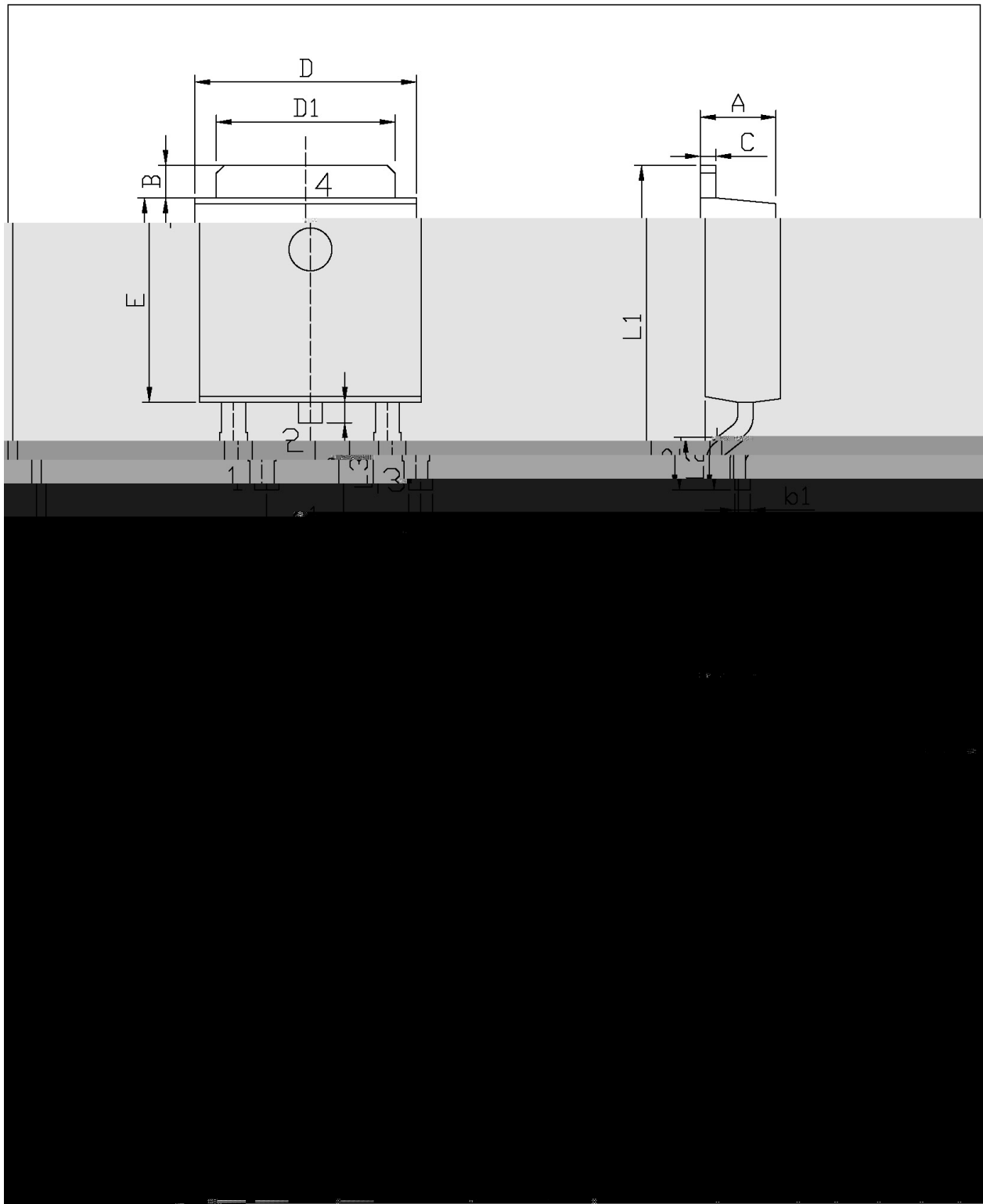
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_{RM}	150	V
RMS Reverse Voltage	$V_{R(RMS)}$	105	V
Average Forward Rectified Current	$I_{F(AV)}$	10	A
Peak Forward Surge Current	I_{FSM}	200	A
Typical Thermal Resistance Junction to Case	R_{JC}	6.5	°C/W
Junction Temperature Range	$T_{J\ MAX}$	150	°C
Storage Temperature Range	T_{stg}	-55 150	°C

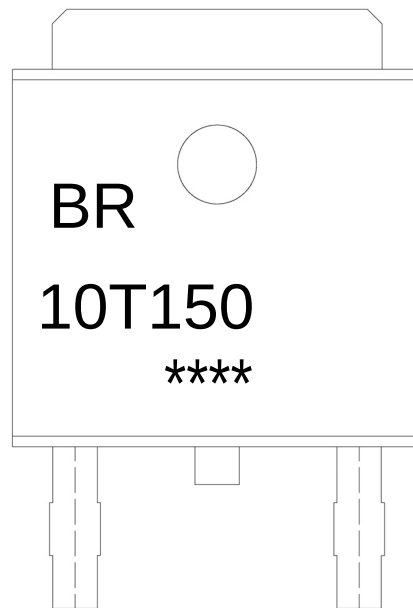
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_{BR}	$I_R=0.3mA$	150			V
Forward Voltage	V_F	$I_F=2A$ $T_J=25^{\circ}C$		0.57	0.60	V
		$I_F=2A$ $T_J=125^{\circ}C$		0.47	0.55	V
		$I_F=10A$ $T_J=25^{\circ}C$		0.81	0.85	V
		$I_F=10A$ $T_J=125^{\circ}C$		0.69	0.75	V
Instantaneous Reverse Current	I_R Note 1	$V_R=100V$ $T_J=25^{\circ}C$		5	50	uA
		$V_R=100V$ $T_J=100^{\circ}C$			10	mA
		$V_R=100V$ $T_J=125^{\circ}C$			20	mA

/Notes

1. /Short duration pulse test used to minimize self-heating effect.







BR

10T150

Note:

BR:

10T150

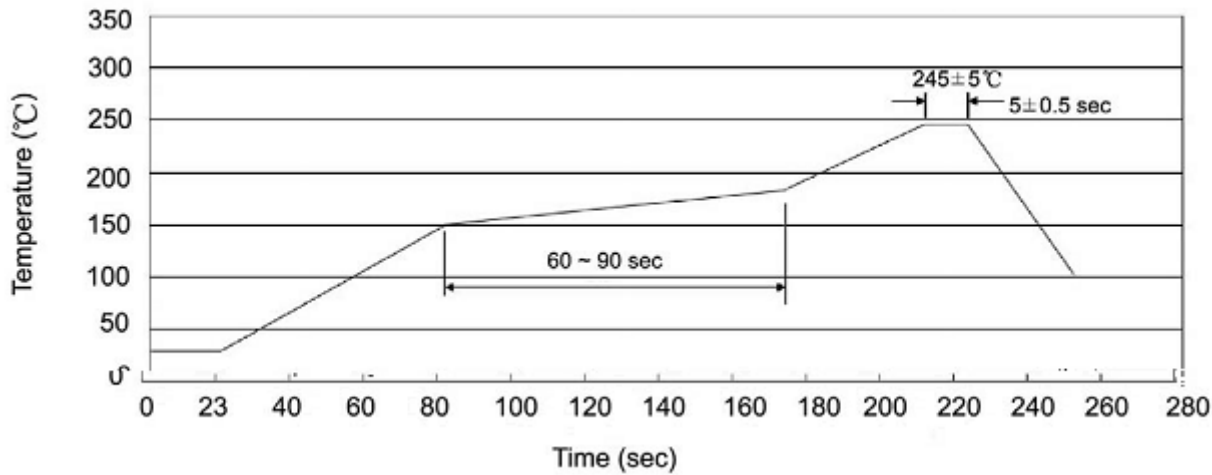
****:

Company Code

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 Speed: 2~10 /sec.

260±5

10±1 sec.

Temp.:260±5℃

Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
TO-252	2,500	2	5,000	5	25,000	13 ×16	360×360×50	385×257×392

×16/