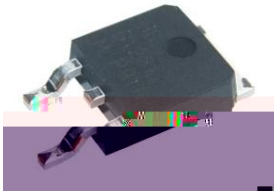
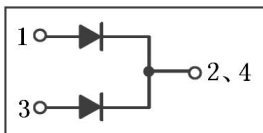


TO-252

Schottky Diode in a TO-252 Plastic Package.

Low power loss, high efficiency. Halogen-free Product.

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



PIN1 Anode

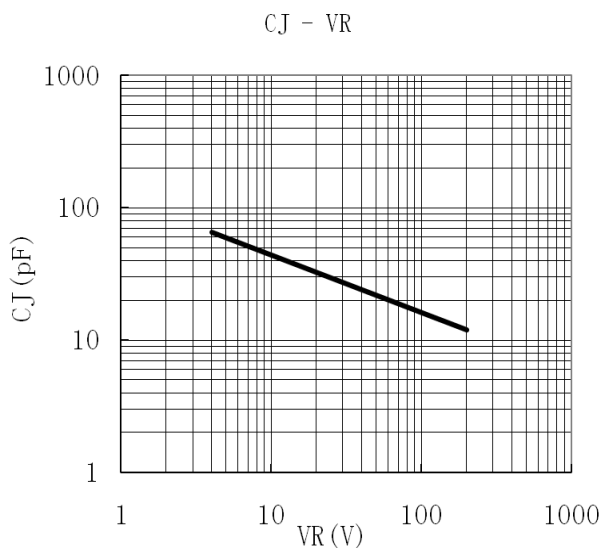
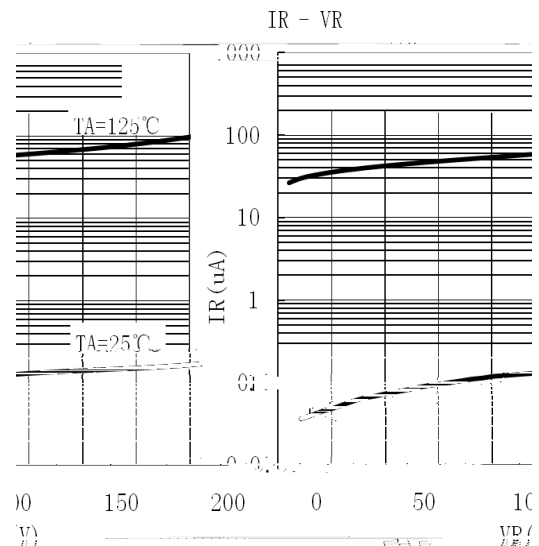
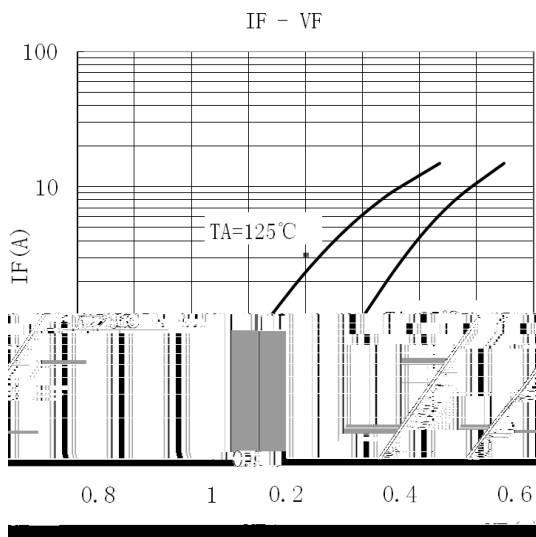
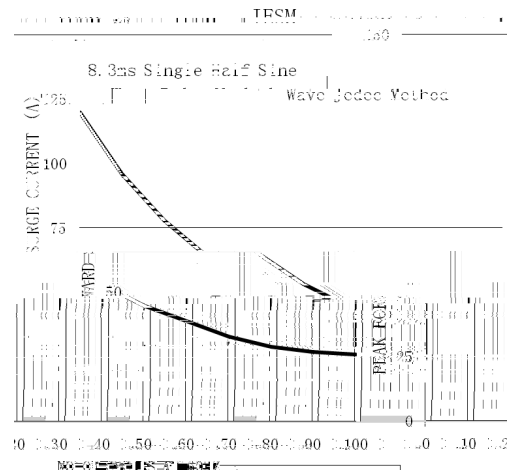
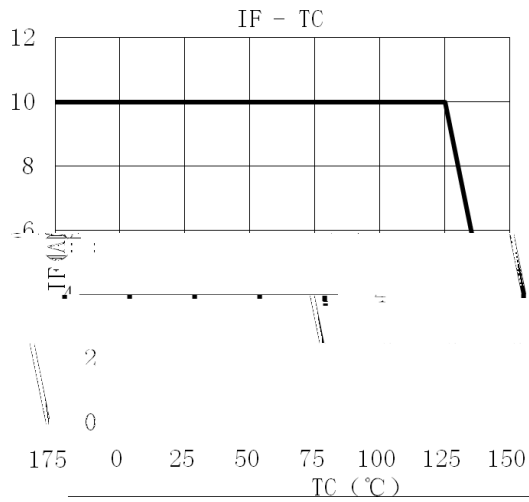
PIN 2,4 Cathode

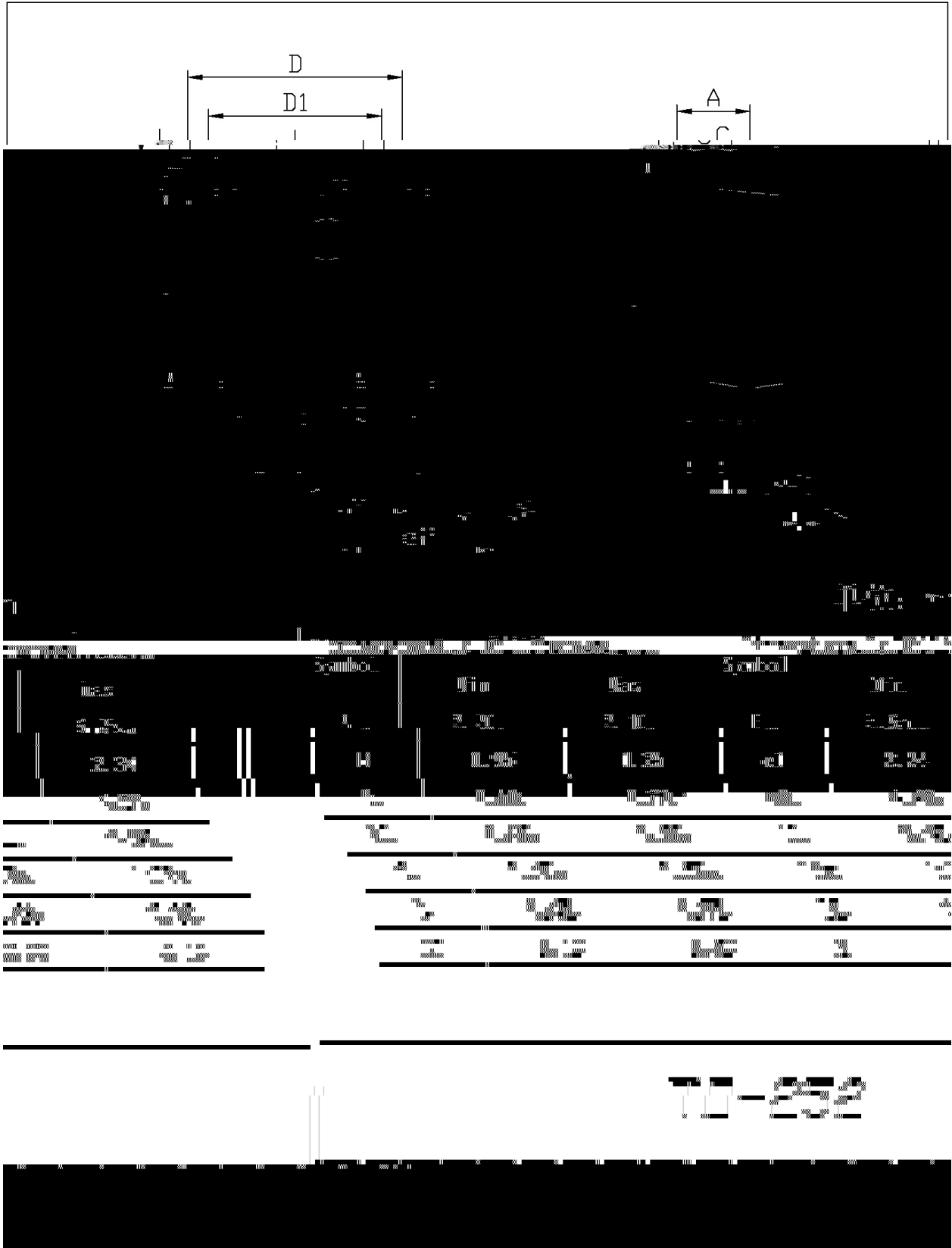
PIN 3 Anode

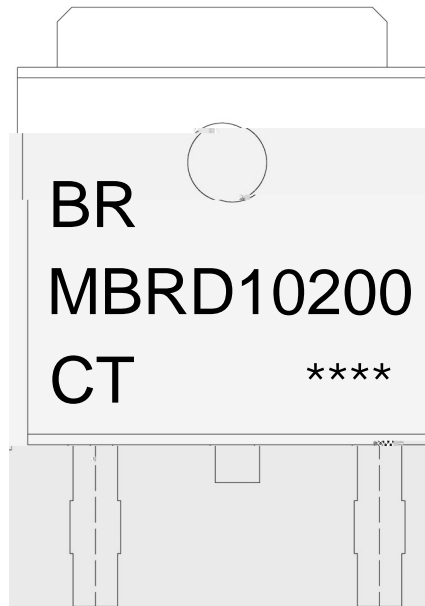
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$ $V_{RWM}$ $V_{RM}$	200	V
Working Peak Reverse Voltage	$V_{R(RMS)}$	140	V
Average Rectified Forward Current	$I_{F(AV)}$	2X5	A
Non Repetitive Peak Surge Current	$I_{FSM}$	80	A
Junction Temperature Range	$T_{j\ MAX}$	150	
Storage Temperature Range	$T_{stg}$	-65 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{BR}$	$I_R=100\mu A$	200			V







BR

MBRD10200

CT:

\*\*\*\*

Note:

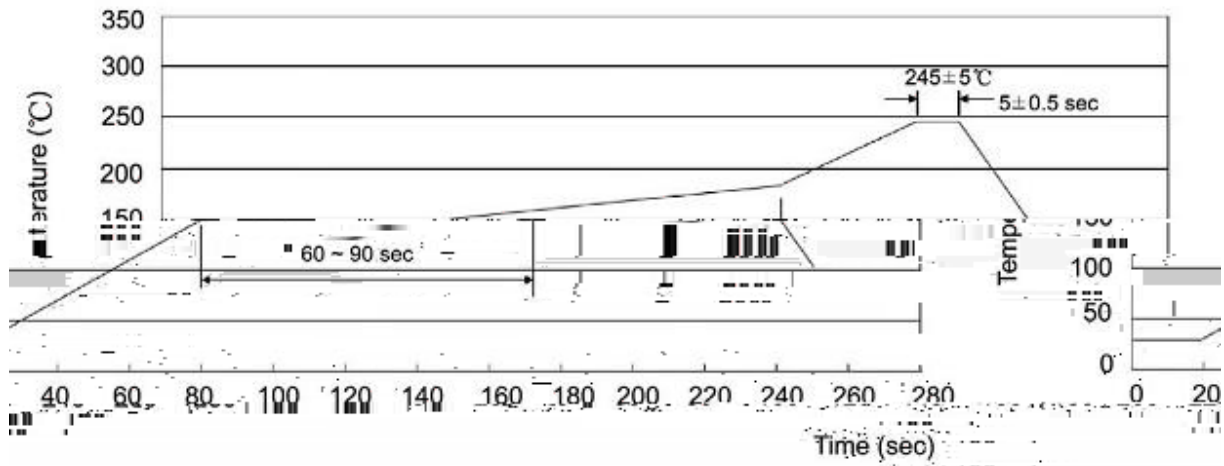
BR: Company Code

MBRD10200 Product Type.

CT: Internal Structure

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

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



#### Note:

- |   |       |     |       |          |  |
|---|-------|-----|-------|----------|--|
| 1 | 150   | 180 | 60    | 90sec;   | 1. Preheating: 150~180 , Time: 60~90sec.   |
| 2 | 245±5 |     | 5±0.5 | sec;     | 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	Units					Dimension (unit mm <sup>3</sup> )		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
	/	/	/	/	/			