

## SUPER FAST DIODE MODULE TYPE 200 A

### Features

+ L J K X U J H D S D E L O L W \

7 \ S H 9 9 5 0

, V R O D W L R Q 7 \ S H 3 D F N D

( O H F W U L F D O O \ , V R O D W I



D V H S O D W H

### SOT-227



### Maximum Ratings

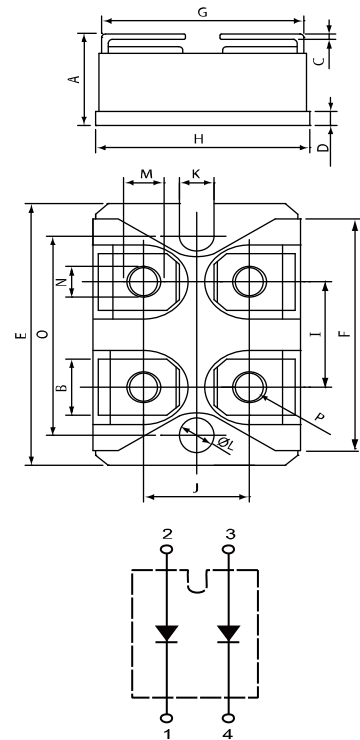
2 S H U D W L Q J 7 H P S H U J D W X R J H

6 W R U D J H 7 H P S H U J D W X R J H

f &

f &

|                |                                                                |                                |                                             |
|----------------|----------------------------------------------------------------|--------------------------------|---------------------------------------------|
| 3 D U W 1 X P  | 0 D [ L P X P<br>5 H F X U U H<br>3 H D N 5 H Y<br>9 R O W D J | 0 D [ L P X P<br>5 0 6 9 R O W | 0 D [ L P X P<br>% O R F N L<br>9 R O W D J |
| * 6 ; ) \$ 6 ' | 9                                                              | 9                              | 9                                           |



### Electrical Characteristics @ 25f Unless Otherwise Specified.

|                                                                                                                        |       |              |          |                     |
|------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|---------------------|
| \$ Y H U D J H ) R U Z D U G<br>& X U U H Q W 3 H U S N J                                                              | \$ 9  | \$           | 7 F      | W                   |
| 3 H D N ) R U Z D U G 6 X U J H<br>& X U U H Q W 3 H W O H                                                             | 6 0   | \$           |          | P V K D O I V L Q H |
| 0 D [ L P X P V W D Q W D Q H R X V<br>) R U Z D U G 9 R O W D J H                                                     | 9     | 9            | 0        | \$ 7 W              |
| 0 D [ L P X P V W D Q W D Q H R X V<br>5 H Y H U V H & X U U H Q W<br>5 D W H G ' B N % Q R<br>9 R O W D J H 3 H W O H | 5     | X \$<br>P \$ | 7-<br>7- | W<br>W              |
| 0 D [ L P X P H Y H U V H<br>5 H F R Y H L P H 3 H W O H                                                               | 7 U U | Q V          | 5 5      | \$ , 5 \$           |
| , V R O D W L R Q 9 R O W D J H                                                                                        | 9     | \$ &         |          | P L Q X W H         |
| 0 D [ L P X P K H U P D O<br>5 H V L V W D Q F H - X Q 5 W L R Q W :<br>7 R & D V H 3 H W O H                          |       |              |          |                     |

\* Pulse Test: Pulse Width 300  $\mu$  sec, Duty < 2%

| DIM | DIMENSIONS |       |       |       |
|-----|------------|-------|-------|-------|
|     | INCHES     |       | MM    |       |
|     | MIN        | MXA   | MIN   | MXA   |
| A   | .500       | .519  | 12.70 | 13.20 |
| B   | .307       | .322  | 7.80  | 8.20  |
| C   | .029       | .033  | .75   | .84   |
| D   | .077       | .082  | 1.95  | 2.10  |
| E   | 1.487      | 1.502 | 37.80 | 38.20 |
| F   | 1.250      | 1.258 | 31.75 | 32.00 |
| G   | .931       | .956  | 23.65 | 24.30 |
| H   | .996       | 1.007 | 25.30 | 25.60 |
| I   | .586       | .594  | 14.90 | 15.10 |
| J   | .492       | .516  | 12.50 | 13.10 |
| K   | .161       | .169  | 4.10  | 4.30  |
| L   | .161       | .169  | 4.10  | 4.30  |
| M   | .181       | .191  | 4.60  | 4.95  |
| N   | .165       | .177  | 4.20  | 4.50  |
| O   | 1.184      | 1.192 | 30.10 | 30.30 |
| P   | M4*8       |       |       |       |

Figure .1- Typical Forward Characteristics

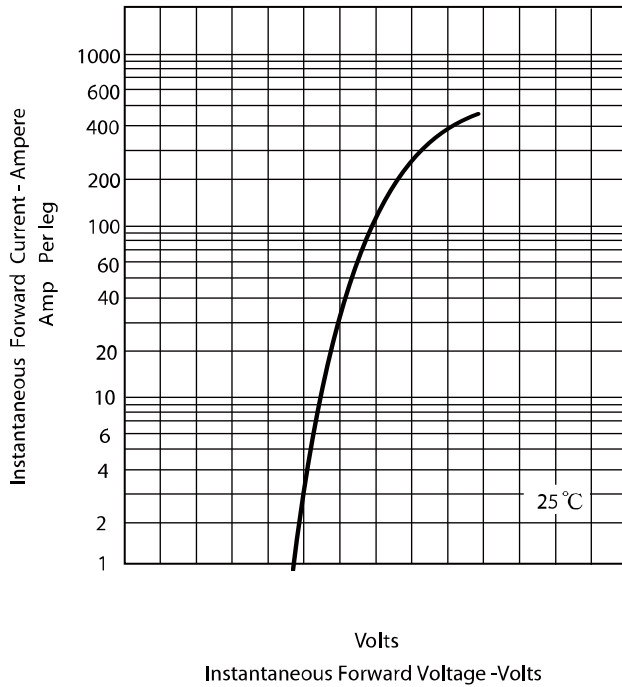


Figure.2 - Forward Derating Curve

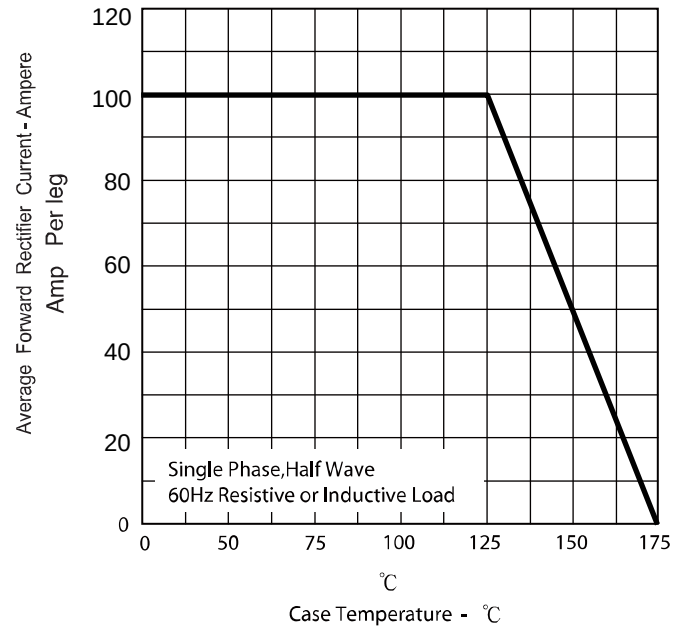


Figure.3 - Peak Forward Surge Current

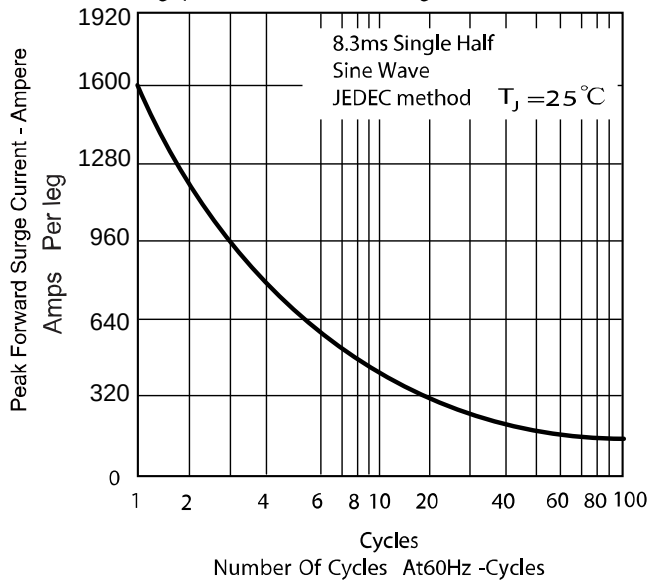
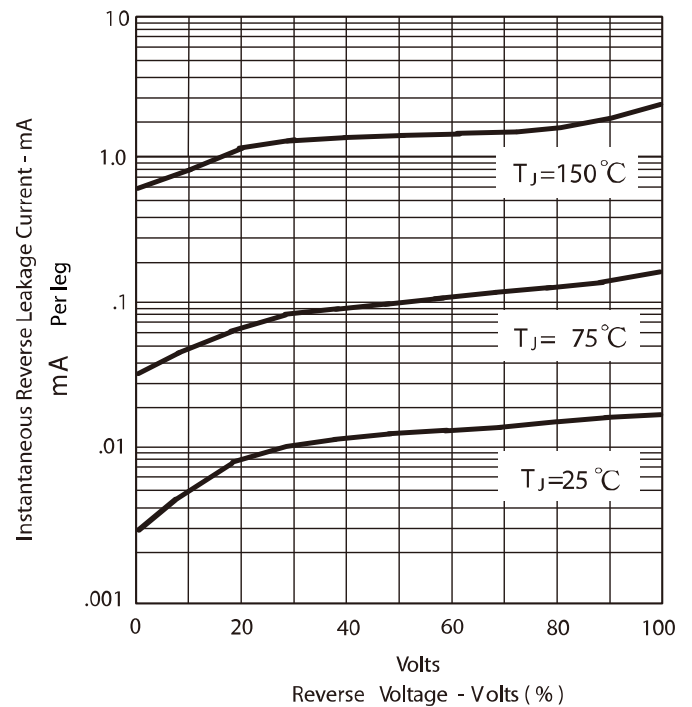


Figure .4 -Typical Reverse Characteristics



### Revision History

| Date       | Revision | Notes                       |
|------------|----------|-----------------------------|
| 8/10/2014  | 1.0      | Initial release             |
| 01/03/2020 | 1.1      | Applied company name change |
|            |          |                             |