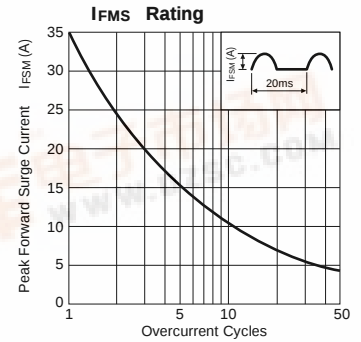
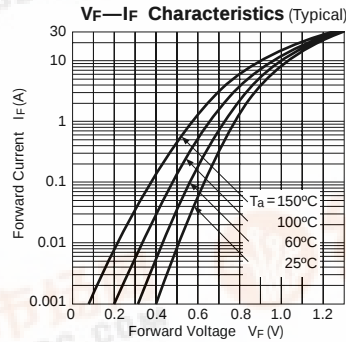
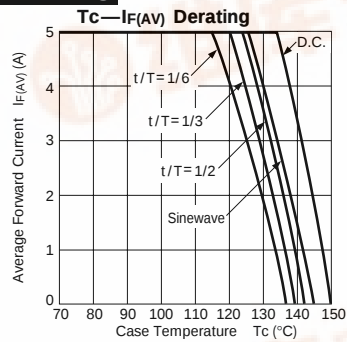


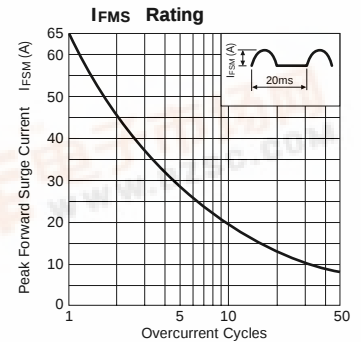
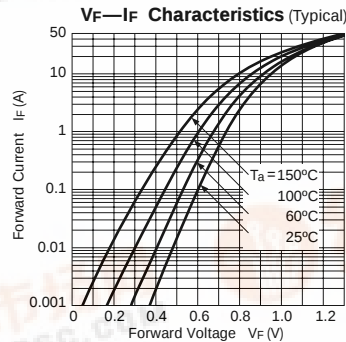
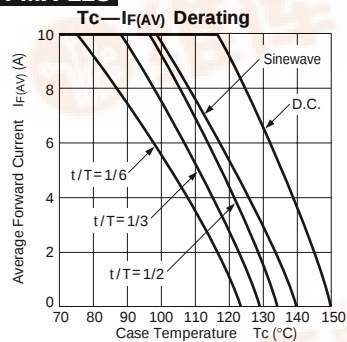
# Ultra-Fast-Recovery Rectifier Diodes

| Parameter<br><br>Type No. | Absolute Maximum Ratings |                                         |                                            |                        |                          | Electrical Characteristics (Ta=25°C) |                        |                                                    |                                                               |                                         |                                         |         | Others                |      |      |
|---------------------------|--------------------------|-----------------------------------------|--------------------------------------------|------------------------|--------------------------|--------------------------------------|------------------------|----------------------------------------------------|---------------------------------------------------------------|-----------------------------------------|-----------------------------------------|---------|-----------------------|------|------|
|                           | V <sub>RM</sub><br>(V)   | I <sub>F(AV)</sub> (A)<br>With Heatsink | I <sub>FSM</sub><br>(A)                    | T <sub>J</sub><br>(°C) | T <sub>stg</sub><br>(°C) | V <sub>F</sub><br>(V)                | I <sub>R</sub><br>(μA) | I <sub>R</sub> (H)<br>(mA)                         | t <sub>rr</sub> ①<br>(ns)                                     |                                         | t <sub>rr</sub> ②<br>(ns)               |         | R <sub>th</sub> (j-c) | Mass | Fig. |
|                           |                          |                                         | 50Hz<br>Half-cycle Sinewave<br>Single Shot |                        |                          | max per<br>element                   | I <sub>F</sub><br>(A)  | V <sub>R</sub> =V <sub>RM</sub><br>max per element | V <sub>R</sub> =V <sub>RM</sub> , Ta=100°C<br>max per element | I <sub>F</sub> /I <sub>RP</sub><br>(mA) | I <sub>F</sub> /I <sub>RP</sub><br>(mA) | (°C/W)  | (g)                   |      |      |
| FMX-12S                   | 200                      | 5.0                                     | 35                                         | -40 to +150            | 0.98                     | 2.5                                  | 50                     | 10.0                                               | 30                                                            | 100/100                                 | 25                                      | 100/200 | 4.0                   | 2.1  | Ⓐ    |
| FMX-22S                   |                          | 10.0                                    | 65                                         |                        |                          | 5.0                                  | 100                    | 20.0                                               |                                                               |                                         |                                         |         |                       |      |      |
| FMX-22SL                  |                          | 15.0                                    | 100                                        |                        |                          | 7.5                                  | 150                    | 30.0                                               |                                                               |                                         |                                         |         |                       |      |      |

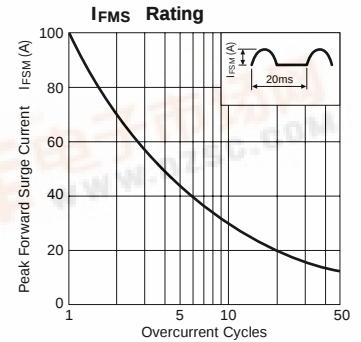
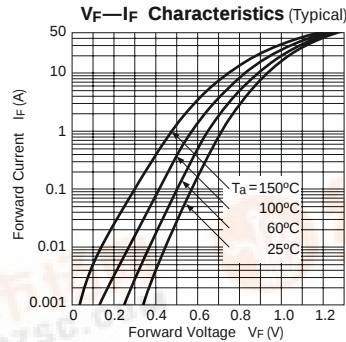
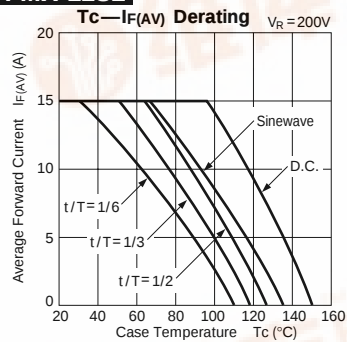
## FMX-12S



## FMX-22S



## FMX-22SL



## External Dimensions

(Unit: mm) (Full-mold)

Flammability:  
UL94V-0 or Equivalent

Fig. ①

