

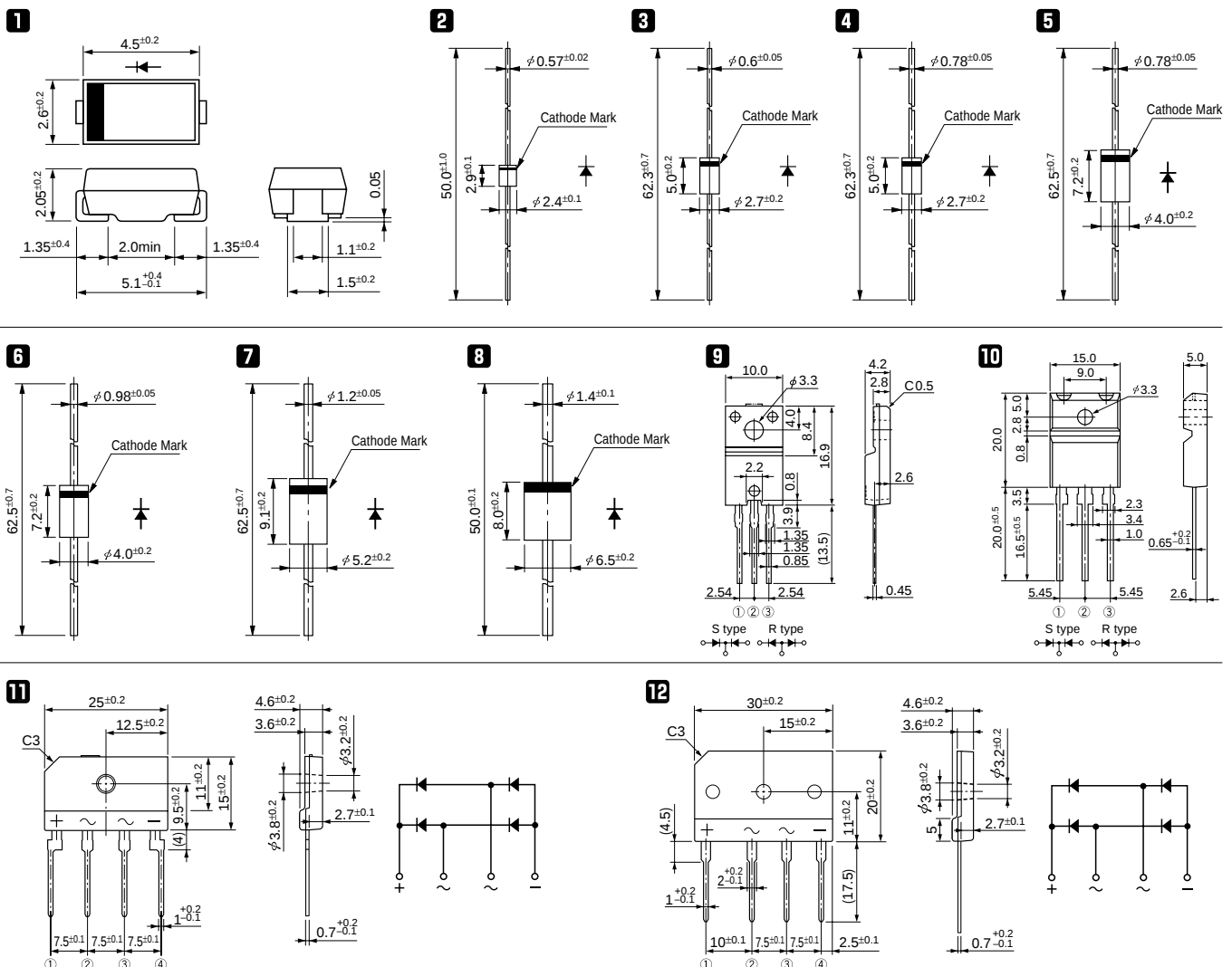
# Rectifier Diodes

## 400V

| V <sub>RM</sub><br>(V) | Package       | Part Number | I <sub>F</sub> (A)<br>( ) is with<br>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)<br>max | I <sub>F</sub><br>(A) | I <sub>R</sub><br>(μA)                  | I <sub>R</sub> (H)<br>(μA)              | Ta<br>(°C) | R <sub>th</sub> (j-ℓ)<br>R <sub>th</sub> (j-c)<br>(°C/W) | Mass<br>(g) | Fig.<br>No. | Page where<br>characteristic<br>curve is shown |
|------------------------|---------------|-------------|-----------------------------------------------|--------------------------------------------|------------------------|--------------------------|------------------------------|-----------------------|-----------------------------------------|-----------------------------------------|------------|----------------------------------------------------------|-------------|-------------|------------------------------------------------|
|                        |               |             |                                               | 50Hz<br>Half-cycle Sinewave<br>Single Shot |                        |                          |                              |                       | V <sub>R</sub> = V <sub>RM</sub><br>max | V <sub>R</sub> = V <sub>RM</sub><br>max |            |                                                          |             |             |                                                |
| 400                    | Surface Mount | SFPM-54     | 0.9                                           | 30                                         | −40 to +150            | 1.0                      | 1.0                          | 10                    | 50                                      | 100                                     | 20         | 0.072                                                    | 1           | 48          |                                                |
|                        |               | SFPM-64     | 1.0                                           | 45                                         | −40 to +150            | 0.98                     | 1.0                          | 10                    | 50                                      | 100                                     | 20         | 0.072                                                    |             |             |                                                |
|                        |               | SFPM-74     | 1.0                                           | 50                                         | −40 to +150            | 1.0                      | 1.0                          | 10                    | 50                                      | 150                                     | 20         | 0.072                                                    |             | 54          |                                                |
|                        | Axial         | AM01        | 1.0                                           | 35                                         | −40 to +150            | 0.98                     | 1.0                          | 10                    | 50                                      | 100                                     | 22         | 0.13                                                     | 2           | 48          |                                                |
|                        |               | EM01        | 1.0                                           | 45                                         | −40 to +150            | 0.97                     | 1.0                          | 10                    | 50                                      | 100                                     | 20         | 0.2                                                      | 3           |             |                                                |
|                        |               | EM 1        | 1.0                                           | 45                                         | −40 to +150            | 0.97                     | 1.0                          | 10                    | 50                                      | 100                                     | 17         | 0.3                                                      | 4           |             |                                                |
|                        |               | RM 1        | 1.0                                           | 50                                         | −40 to +150            | 0.95                     | 1.0                          | 5                     | 50                                      | 100                                     | 15         | 0.4                                                      | 5           | 49          |                                                |
|                        |               | EM 2        | 1.2                                           | 80                                         | −40 to +150            | 0.92                     | 1.2                          | 10                    | 50                                      | 100                                     | 17         | 0.3                                                      | 4           |             |                                                |
|                        |               | RM 10       | 1.2                                           | 150                                        | −40 to +150            | 0.91                     | 1.5                          | 10                    | 50                                      | 100                                     | 15         | 0.4                                                      | 5           |             |                                                |
|                        |               | RM 2        | 1.2                                           | 100                                        | −40 to +150            | 0.91                     | 1.5                          | 10                    | 50                                      | 100                                     | 12         | 0.6                                                      | 6           | 50          |                                                |
|                        |               | RO 2        | 1.2                                           | 80                                         | −40 to +150            | 0.92                     | 1.5                          | 10                    | 50                                      | 100                                     | 12         | 0.61                                                     |             |             |                                                |
|                        |               | RM 3        | 2.5                                           | 150                                        | −40 to +150            | 0.95                     | 2.5                          | 10                    | 100                                     | 150                                     | 10         | 1.0                                                      | 7           |             |                                                |
|                        | RM 4          | 1.7 (3.0)   | 200                                           | −40 to +150                                | 0.95                   | 3.0                      | 10                           | 50                    | 100                                     | 8                                       | 1.2        | 8                                                        |             |             |                                                |
|                        | Center-tap    | FMM-24S, R  | 10                                            | 100                                        | −40 to +150            | 1.1                      | 5.0                          | 10                    | 100                                     | 100                                     | 4.0        | 2.1                                                      | 9           | 50          |                                                |
|                        |               | FMM-34S, R  | 20                                            | 120                                        | −40 to +150            | 1.1                      | 10                           | 10                    | 100                                     | 100                                     | 2.0        | 5.5                                                      | 10          | 51          |                                                |
|                        | Bridge        | RBV-404     | 4.0                                           | 80                                         | −40 to +150            | 1.1                      | 2.0                          | 10                    | 100                                     | 100                                     | 5.0        | 4.05                                                     | 11          | 51          |                                                |
|                        |               | RBV-604     | 6.0                                           | 150                                        | −40 to +150            | 1.05                     | 3.0                          | 10                    | 100                                     | 100                                     | 3.0        | 6.45                                                     | 12          | 52          |                                                |

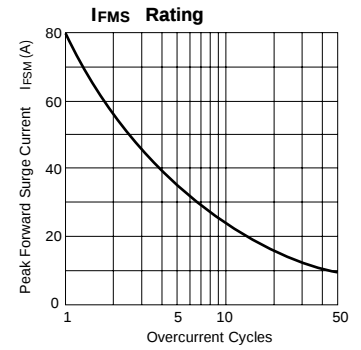
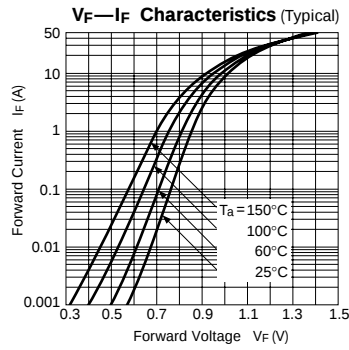
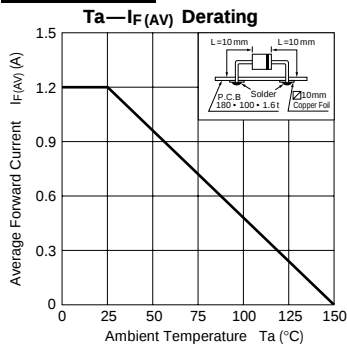
### External Dimensions

Flammability: UL94V-0 or Equivalent (Unit: mm)

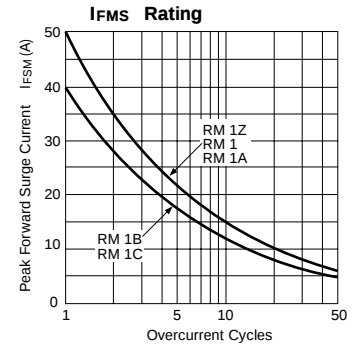
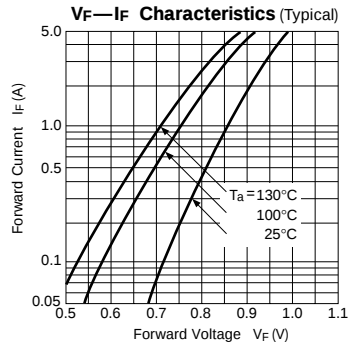
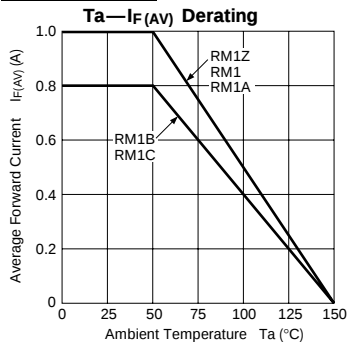


# Characteristic Curves Rectifier Diodes

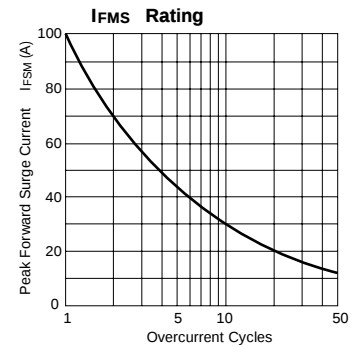
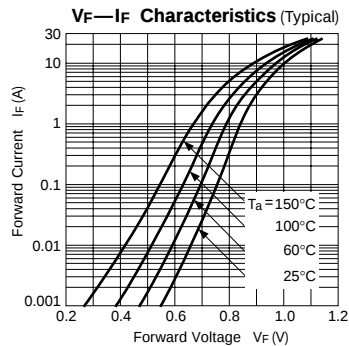
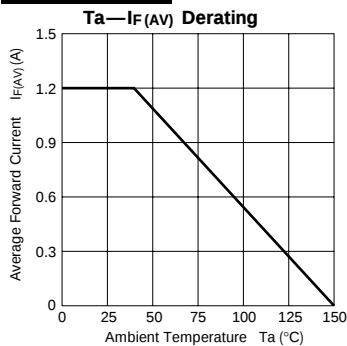
## EM 2 series



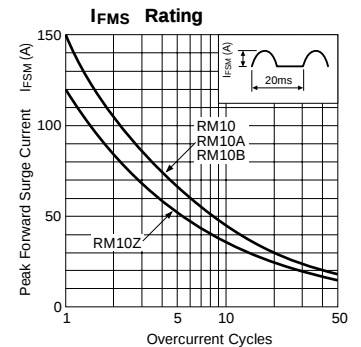
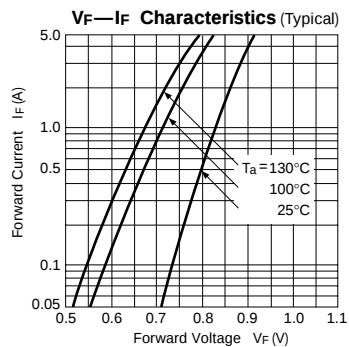
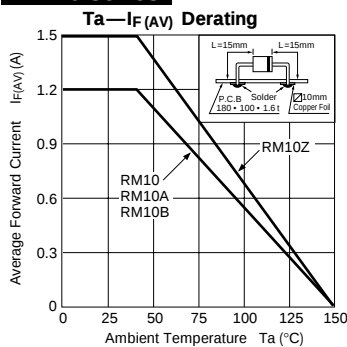
## RM 1 series



## RM 11 series



## RM 10 series



## RM 2 series

