



**TAYCHIPST**

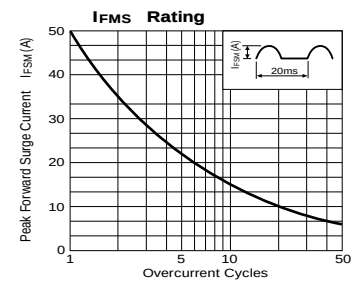
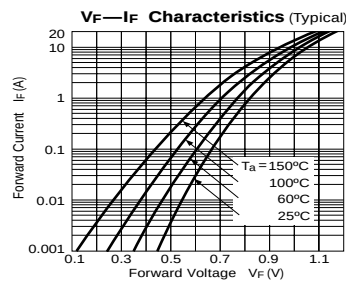
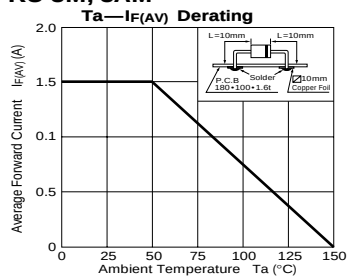
**Fast-Recovery Rectifier Diodes**

RU 3M/3AM RU3YX RU 30 series

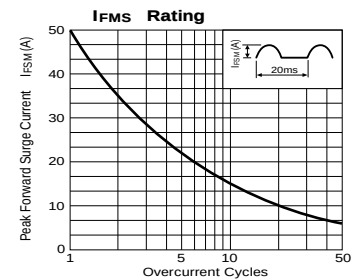
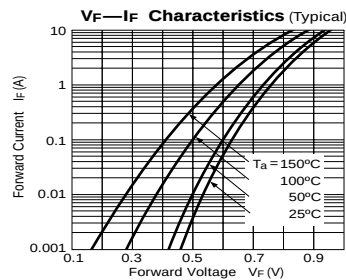
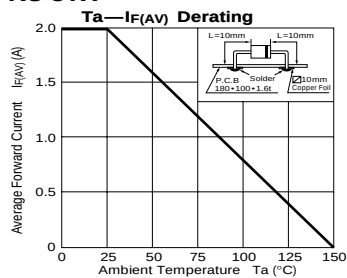
100V-600V 1.5A-2.0A

| Parameter<br>Type No. | Absolute Maximum Ratings |                                                    |                                                                       |                        |              | Electrical Characteristics (Ta=25°C) |                       |                                        |                                                 |                           |                                         |                           |                                         |           | Others |      |
|-----------------------|--------------------------|----------------------------------------------------|-----------------------------------------------------------------------|------------------------|--------------|--------------------------------------|-----------------------|----------------------------------------|-------------------------------------------------|---------------------------|-----------------------------------------|---------------------------|-----------------------------------------|-----------|--------|------|
|                       | V <sub>RM</sub><br>(V)   | I <sub>F</sub> (AV) (A)<br>( ) is with<br>Heatsink | I <sub>FSM</sub><br>(A)<br>50Hz<br>Half-cycle Sinewave<br>Single Shot | T <sub>J</sub><br>(°C) | Tstg<br>(°C) | V <sub>F</sub><br>(V)                |                       | I <sub>R</sub><br>(μA)                 | I <sub>R</sub> (H)<br>(μA)                      | t <sub>rr</sub> ①<br>(μs) |                                         | t <sub>rr</sub> ②<br>(μs) |                                         | Rth (j-ℓ) | Mass   | Fig. |
|                       |                          |                                                    |                                                                       |                        |              | max                                  | I <sub>F</sub><br>(A) | V <sub>R</sub> =V <sub>RM</sub><br>max | V <sub>R</sub> =V <sub>RM</sub><br>Ta=100°C max |                           | I <sub>F</sub> /I <sub>RP</sub><br>(mA) |                           | I <sub>F</sub> /I <sub>RP</sub><br>(mA) | (°C/W)    | (g)    |      |
| RU 3M                 | 400                      | 1.5                                                | 50                                                                    | -40 to +150            |              | 1.1                                  | 1.5                   | 10                                     | 350                                             | 0.4                       | 10/10                                   | 0.18                      | 10/20                                   | 12        | 0.6    | Ⓐ    |
| RU 3AM                | 600                      |                                                    |                                                                       |                        |              |                                      |                       |                                        |                                                 |                           |                                         |                           |                                         |           |        |      |
| RU 3YX                | 100                      | 2.0                                                | 50                                                                    |                        |              | 0.95                                 | 2.0                   | 10                                     | 300                                             | 0.2                       | 10/10                                   | 0.08                      | 10/20                                   | 12        | 0.6    |      |
| RU 30Z                | 200                      | 1.5 (3.5)                                          | 80                                                                    |                        |              | 0.97                                 | 3.5                   | 10                                     | 300                                             | 0.4                       | 10/10                                   | 0.18                      | 10/20                                   | 10        | 1.0    |      |
| RU 30                 | 400                      | 2.0                                                | 200                                                                   |                        |              | 0.95                                 | 2.0                   |                                        |                                                 |                           |                                         |                           |                                         |           |        |      |
| RU 30A                | 600                      |                                                    |                                                                       |                        |              |                                      |                       |                                        |                                                 |                           |                                         |                           |                                         |           |        |      |

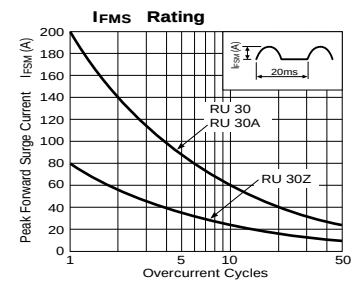
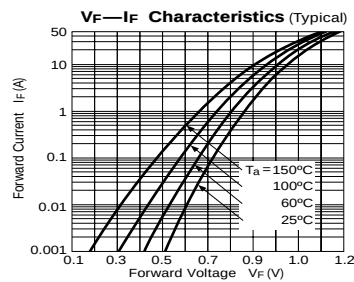
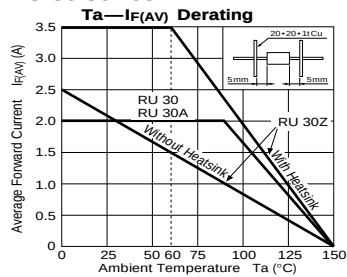
### RU 3M, 3AM



### RU 3YX



### RU 30 series



### External Dimensions

(Unit: mm)

Flammability:  
UL94V-0 or Equivalent

