



# TAYCHIPST SURFACE MOUNT RECTIFIER

## GF2A THRU GF2M

50V-1000V 2.0A

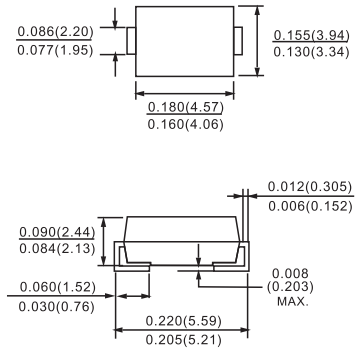
### FEATURES

- Glass passivated device
- Ideal for surface mouted applications
- Low leakage current
- Metallurgically bonded construction
- High temperature soldering:  
250 /10 seconds at terminals

### MECHANICAL DATA

Case:JEDEC DO-214AA,molded plastic over passivated chip  
 Terminals:Solder Plated, solderable per MIL-STD-750, Method 2026  
 Polarity: Color band denotes cathode end  
 Weight: 0.006 ounces, 0.02 gram  
 Mounting position: Any

DO-214AA(SMB)



Dimensions in inches and (millimeters)

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

| Symbol         | Description  | GF2A       | GF2B | GF2D | GF2G | GF2J | GF2K | GF2M | Unit  | Conditions |
|----------------|--|------------|------|------|------|------|------|------|-------|------------|
| <b>VRRM</b>    | Max. Recurrent Peak Reverse Voltage                  | 50         | 100  | 200  | 400  | 600  | 800  | 1000 | V     |            |
| <b>VRMS</b>    | Max. RMS Voltage                                     | 35         | 70   | 140  | 280  | 420  | 560  | 700  | V     |            |
| <b>VDC</b>     | Max. DC Blocking Voltage                             | 50         | 100  | 200  | 400  | 600  | 800  | 1000 | V     |            |
| <b>IF(AV)</b>  | Max. Average Rectified Current                       | 2.0        |      |      |      |      |      |      | A     |            |
| <b>IFSM</b>    | Peak Forward Surge Current                           | 65         |      |      |      |      |      |      | A     |            |
| <b>VF</b>      | Max. Instantaneous Forward Voltage                   | 1.0        |      |      |      |      |      |      | V     | IF=2.0A    |
| <b>IR</b>      | Max. DC Reverse Current at Rated DC Blocking Voltage | 5          |      |      |      |      |      |      | μA    | TA=25 °C   |
|                |  | 30         |      |      |      |      |      |      |       | TA=125 °C  |
|                |  | 80         |      |      |      |      |      |      |       | TA=150 °C  |
| <b>CJ</b>      | Typical Junction Capacitance                         | 25         |      |      |      |      |      |      | pF    |            |
| <b>Rθ-JA</b>   | Max. Thermal Resistance                              | 53         |      |      |      |      |      |      | ° C/W |            |
| <b>Rθ-JL</b>   |  | 10         |      |      |      |      |      |      |       |            |
| <b>TJ,TSTG</b> | Operating Junction and Storage Temperature Range     | -65 to 175 |      |      |      |      |      |      | ° C   |            |



RATINGS AND CHARACTERISTIC CURVES GF2A THRU GF2M

Typical Characteristics Curves

