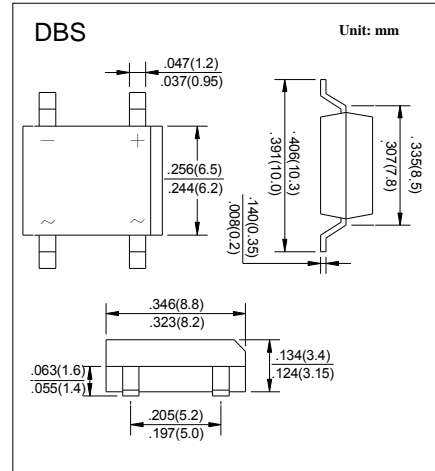


# DB201GS-DB207GS

### Features

- Rating to 1000V PRV
- Ideal for printed circuit board
- High Current Capability
- Low forward voltage drop, high current capability
- The plastic material has UL flammability classification 94V-0



### Absolute Maximum Ratings and Electrical Characteristics Ta = 25

| Parameter   | Symbol           | DB         | DB    | DB    | DB    | DB    | DB    | DB    | Unit             |
|---|------------------|------------|-------|-------|-------|-------|-------|-------|------------------|
|   |                  | 210GS      | 202GS | 203GS | 204GS | 205GS | 206GS | 207GS |                  |
| Peak Repetitive Reverse Voltage   | VRRM             |            |       |       |       |       |       |       | V                |
| Working Peak Reverse Voltage  | VRWM             | 50         | 100   | 200   | 400   | 600   | 800   | 1000  |                  |
| DC Blocking Voltage   | VR               |            |       |       |       |       |       |       |                  |
| RMS Reverse Voltage   | VR(RMS)          | 35         | 70    | 140   | 280   | 420   | 560   | 700   |                  |
| Average Rectified Output Current @ TA = 40  | IO               | 2.0        |       |       |       |       |       |       | A                |
| Non-Repetitive Peak Forward Surge Current<br>8.3ms Single half sine-wave superimposed on<br>rated load (JEDEC Method) | IFSM             | 60         |       |       |       |       |       |       |                  |
| Forward Voltage @IF =2 .0A  | VFM              | 1.1        |       |       |       |       |       |       |                  |
| Peak Reverse Current @TA = 25   | IRM              | 10.0       |       |       |       |       |       |       | μA               |
| At Rated DC Blocking Voltage @TA = 125  |                  | 500        |       |       |       |       |       |       |                  |
| I <sup>2</sup> t Rating for Fusing (t<8.3ms)  | I <sup>2</sup> t | 10.4       |       |       |       |       |       |       | A <sup>2</sup> s |
| Typical Junction Capacitance  | Cj               | 25         |       |       |       |       |       |       | pF               |
| Typical Thermal Resistance  | R JA             | 40         |       |       |       |       |       |       | /W               |
| Operating Temperature Range   | Tj               | -55 to 150 |       |       |       |       |       |       |                  |
| Storage Temperature Range   | TSTG             | -55 to 150 |       |       |       |       |       |       |                  |



# DB201GS-DB207GS

## Typical Characteristics

