



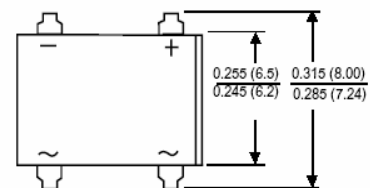
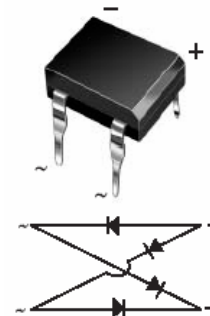
**Features**

- Ideal for automated placement
- Applicable for automative insertion
- High surge current capability
- Solder Dip 260 , 10seconds

**Mechanical Data**

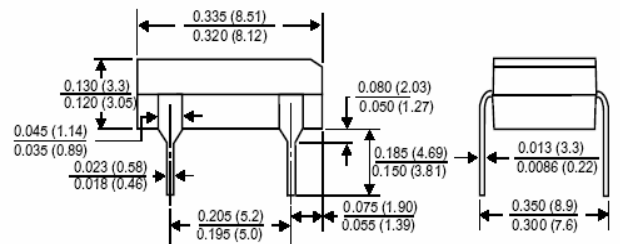
- Case:DF
- Epoxy meets UL-94V-0 Flammability rating
- Terminals:Matte tin plated ldads, solderable per J-STD-002B and JESD22-B102D
- Polarity:As markde on body

Case Style DFM



**Typical Applications**

General purpose use in ac-to-dc bridge full wave rectification for SMPS, Lighting Ballaster, Adapter, Battery Chargwe, Home Appliances, Office Equipment, and Telecommunication applicationsy.



**Maximum Ratings & Electrical Characteristics** Ratings at 25

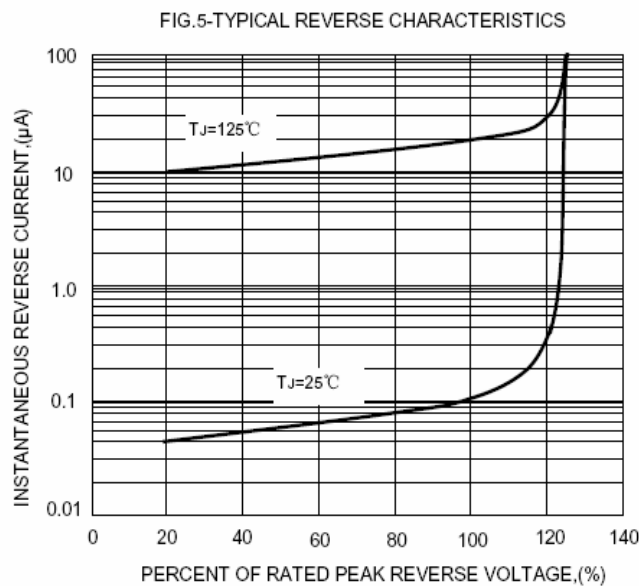
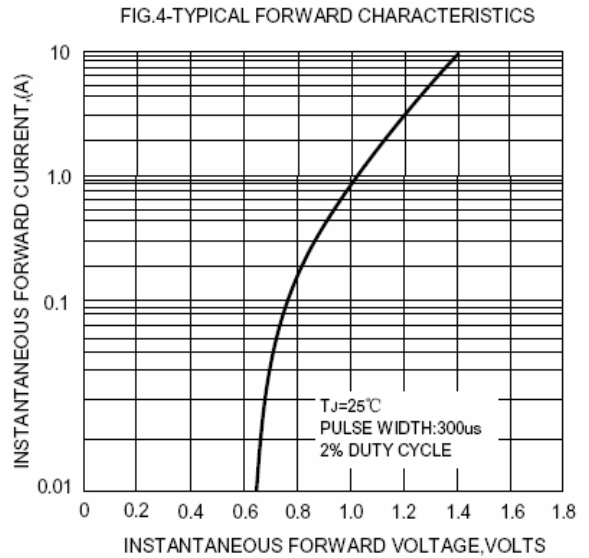
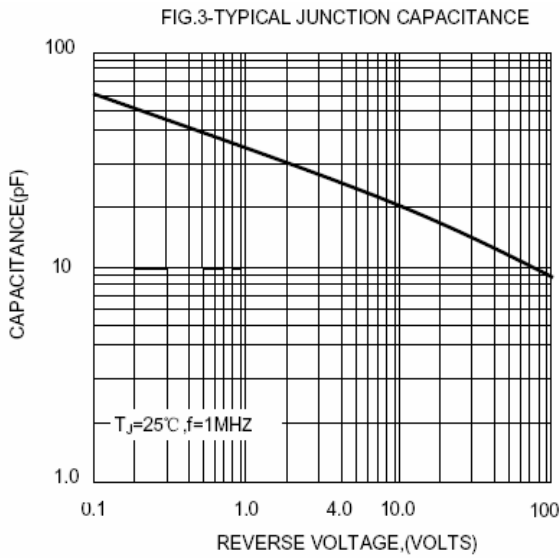
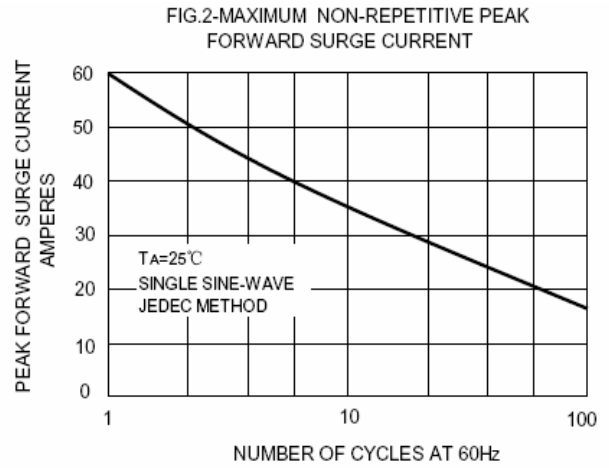
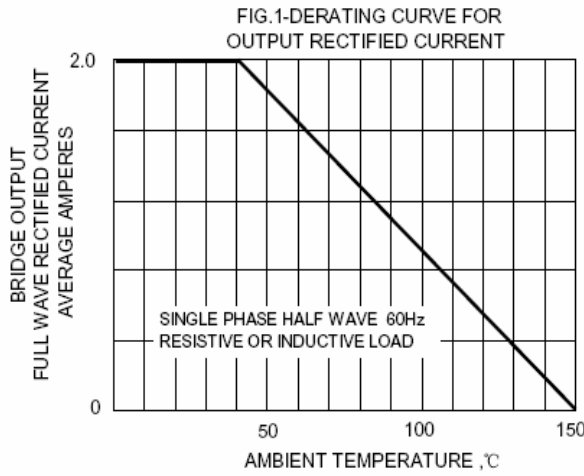
ambient temperature unless otherwise specified.

| Parameter   | Symbol      | DB201       | DB202 | DB203 | DB204 | DB205 | DB206 | DB207 | Unit     |
|---|-------------|-------------|-------|-------|-------|-------|-------|-------|----------|
| Maximum repetitive peak reverse voltage   | $V_{RRM}$   | 50          | 100   | 200   | 400   | 600   | 800   | 1000  | V        |
| Maximum RMS voltage   | $V_{RMS}$   | 35          | 70    | 140   | 280   | 420   | 560   | 700   | V        |
| Maximum DC blocking voltage   | $V_{DC}$    | 50          | 100   | 200   | 400   | 600   | 800   | 1000  | V        |
| Maximum Average forward output rectified current at $T_A=40$                          | $I_{F(AV)}$ | 2.0         |       |       |       |       |       |       | A        |
| Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method) | $I_{FSM}$   | 60          |       |       |       |       |       |       | A        |
| Rating for fusig ( $t < 8.3ms$ )  | $I^2t$      | 10          |       |       |       |       |       |       | $A^2sec$ |
| Maximum instantaneous forward voltage drop per leg at 2A                              | $V_F$       | 1.20        |       |       |       |       |       |       | V        |
| Maximum DC reverse current at $T_A=25$<br>rated DC blocking voltage per leg $T_A=125$ | $I_R$       | 5<br>500    |       |       |       |       |       |       | $\mu A$  |
| Typical junction capacitance per eiement at 4.0V, 1MHz                                | $C_j$       | 25          |       |       |       |       |       |       | pF       |
| Operating junction temperature range  | $T_J$       | -55 to +150 |       |       |       |       |       |       |          |
| Storage temperature range   | $T_{STG}$   | -55 to +150 |       |       |       |       |       |       |          |

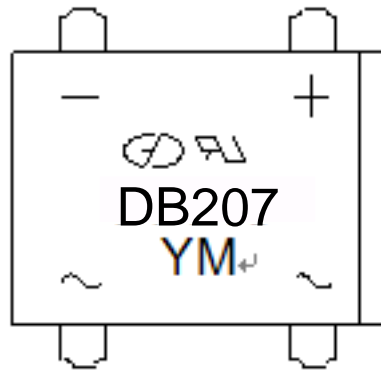
Notes:



Ratings and Characteristics Curves (TA = 25 unless otherwise noted)



Marking



DATE CODE

|       |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| Year  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Code  | 9    | A    | B    | C    | D    | E    | F    | G    | H    | J    | K    | 0    |
| Month | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| Code  | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | O    | N    | D    |