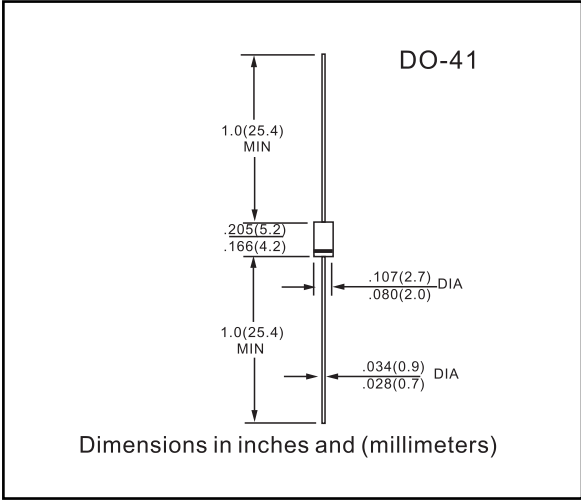




- FEATURES**
- Average Forward Current
  - Reverse Recovery Time
  - Very Fast Reverse-Recovery Time



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

MAXIMUM RATINGS

| CHARACTERISTIC                                       | SYMBOL      | RATING   | UNIT |
|--|-------------|----------|------|
| Repetitive Peak Reverse Voltage                      | $V_{RRM}$   | 400      | V    |
| Average Forward Current                              | $I_{F(AV)}$ | 0.8      | A    |
| Peak One Cycle Surge Forward Current(Non-Repetitive) | $I_{FSM}$   | 30(50Hz) | A    |
|  |             | 33(60Hz) |      |
| Junction Temperature                                 | $T_j$       | -40~150  | °C   |
| Storage Temperature Range                            | $T_{stg}$   | -40~150  | °C   |

ELECTRICAL CHARACTERISTICS

| CHARACTERISTIC                  | SYMBOL        | TEST CONDITION              | MIN | TYPE | MAX | UNIT |
|---------------------------------|---------------|-----------------------------|-----|------|-----|------|
| Peak Forward Voltage            | $V_{FM}$      | $I_{FM} = 1.0A$             | —   | —    | 1.5 | V    |
| Repetitive Peak Reverse Current | $I_{RRM}$     | $V_{RRM} = 400V$            | —   | —    | 50  | uA   |
| Reverse Recovery Time           | $t_{rr}$      | $I_F = 1A, di/dt = -30A/us$ | —   | —    | 100 | ns   |
| Forward Recovery Time           | $t_{fr}$      | $I_F = 1A$                  | —   | —    | 200 | ns   |
| Thermal Resistance              | $R_{th(j-a)}$ | Junction to Ambient         | —   | —    | 115 | °C/W |



**TESTING AND CHARACTERISTIC CURVES OR8GU41**

