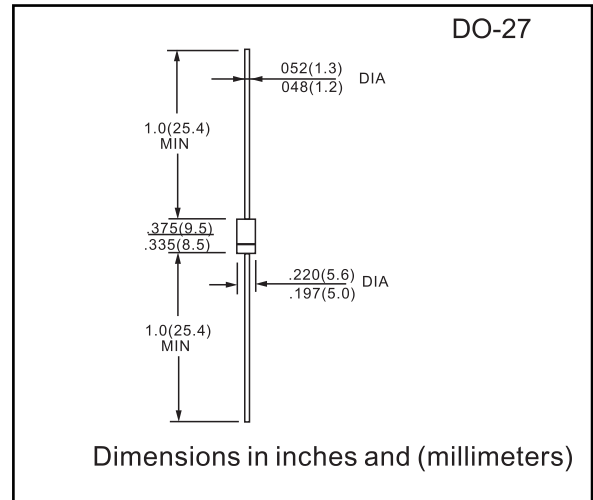




FEATURES

- Repetitive Peak Reverse Voltage
- Average Forward Current
- Peak One Cycle Surge Forward Current



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS

| CHARACTERISTIC | | SYMBOL | RATING | UNIT |
|--------------------------------------|-------|-------------|-----------|------|
| Repetitive Peak Reverse Voltage | 3BZ41 | V_{RRM} | 100 | V |
| | 3GZ41 | | 400 | |
| | 3JZ41 | | 600 | |
| | 3NZ41 | | 1000 | |
| Average Forward Current | | $I_{F(AV)}$ | 3.0 | A |
| Peak One Cycle Surge Forward Current | | I_{FSM} | 180(50Hz) | A |
| | | | 200(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} | $I_{FM} = 3.0A$ | — | — | 1.2 | V |
| Repetitive Peak Reverse Current | $I_{RRM} (1)$ | $V_{RRM} = \text{Rated}$ | — | — | 30 | uA |
| Thermal Resistance | $R_{th(j a)}$ | DC | — | — | 37 | °C/W |



RATINGS AND CHARACTERISTIC CURVES 3BZ41,3GZ41,3JZ41,3NZ41

