

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

3BZ41, 3GZ41, 3JZ41, 3NZ41

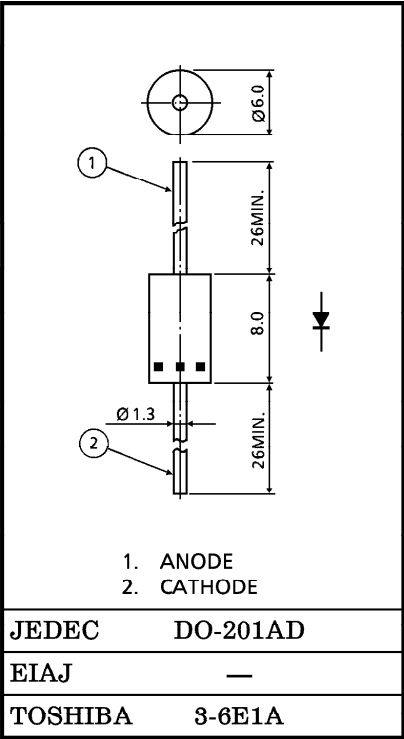
GENERAL PURPOSE RECTIFIER APPLICATIONS.

Unit in mm

- Average Forward Current : $I_F(AV)=3.0A$
- Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim1000V$
- Peak One Cycle Surge Forward Current (Non Repetitive) : $I_{FSM}=180A$ (50Hz)

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | | SYMBOL | RATINGS | UNIT |
|---|-------|-----------|------------|------|
| Repetitive Peak Reverse Voltage | 3BZ41 | V_{RRM} | 100 | V |
| | 3GZ41 | | 400 | |
| | 3JZ41 | | 600 | |
| | 3NZ41 | | 1000 | |
| Average Forward Current (Ta = 45°C) | | $I_F(AV)$ | 3.0 | A |
| Peak One Cycle Surge Forward Current (Non Repetitive) | | I_{FSM} | 180 (50Hz) | A |
| | | | 200 (60Hz) | |
| Junction Temperature | | T_j | -40~150 | °C |
| Storage Temperature Range | | T_{stg} | -40~150 | °C |

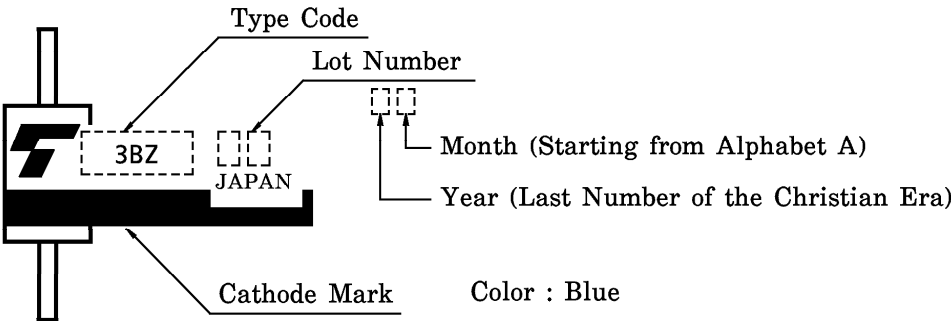


Weight : 1.18g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|--|---------------|------------------------|------|------|------|---------|
| Peak Forward Voltage | V_{FM} | $I_{FM}=3.0A$ | — | — | 1.0 | V |
| Repetitive Peak Reverse Current | I_{RRM} | $V_{RRM}=\text{Rated}$ | — | — | 30 | μA |
| Thermal Resistance (Junction to Ambient) | $R_{th(j-a)}$ | DC | — | — | 37 | °C / W |

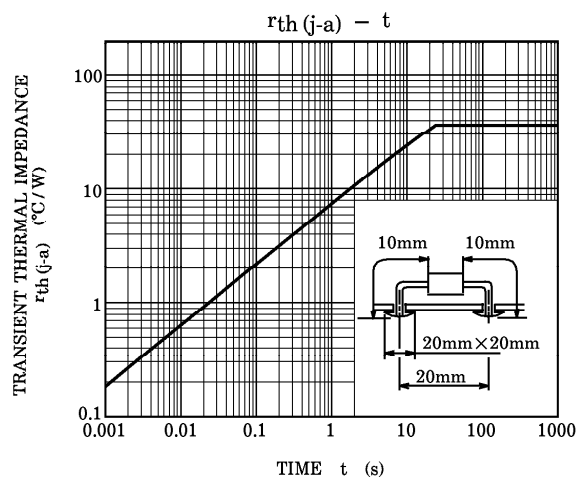
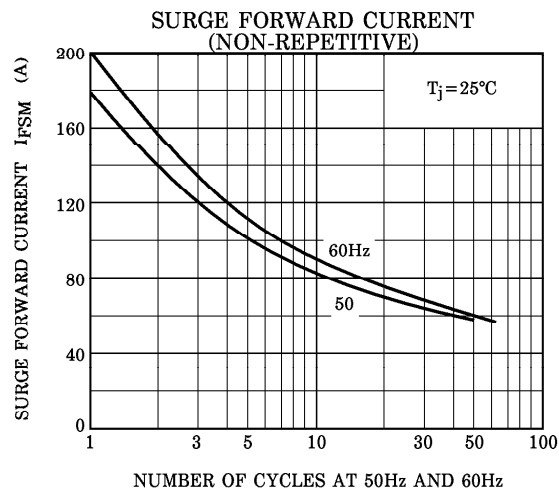
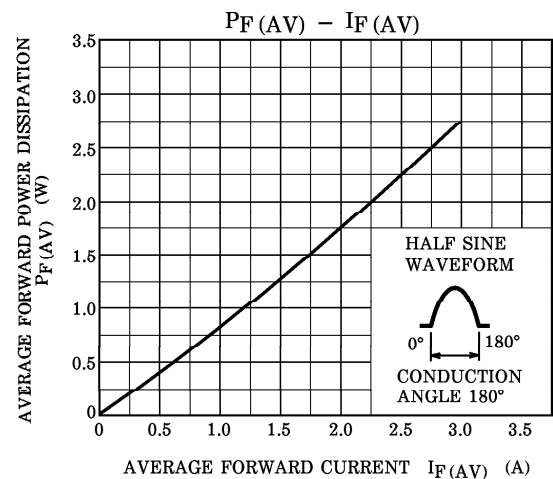
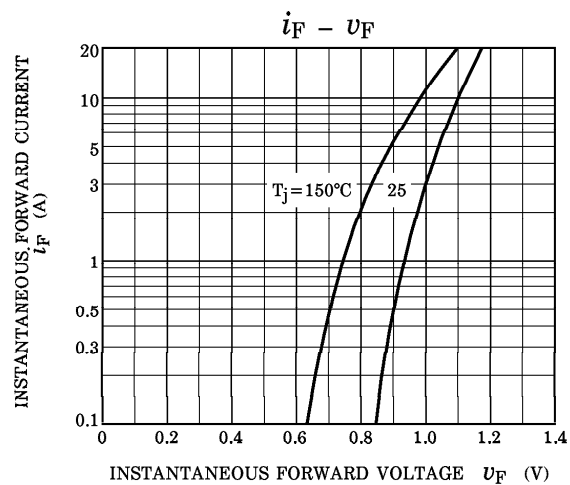
MARK



| CODE | TYPE |
|------|-------|
| 3BZ | 3BZ41 |
| 3GZ | 3GZ41 |
| 3JZ | 3JZ41 |
| 3NZ | 3NZ41 |

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