

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

3DZ41, 3LZ41

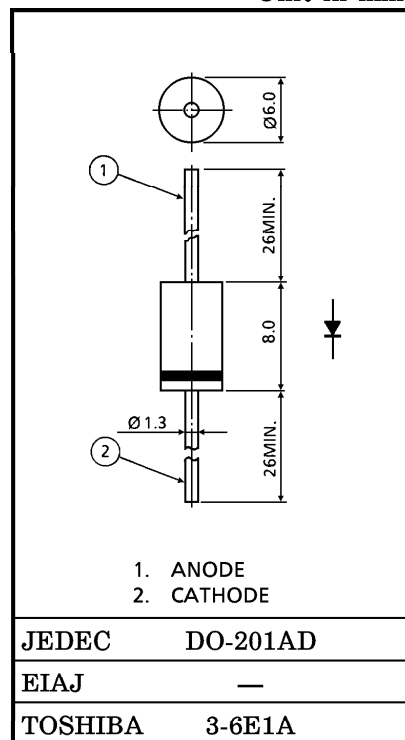
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

- Average Forward Current : $I_F (AV) = 3.0A$
- Repetitive Peak Reverse Voltage : $V_{RRM} = 200, 800V$
- Peak One Cycle Surge Forward Current (Non Repetitive)
: $I_{FSM} = 180A (50Hz)$

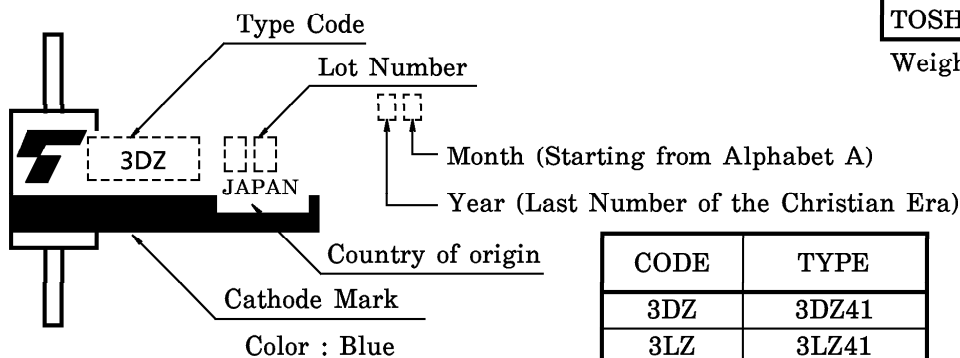
MAXIMUM RATINGS ($T_a = 25^\circ C$)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|---|------------|------------|------------|
| Repetitive Peak Reverse Voltage | 3DZ41 | 200 | V |
| | 3LZ41 | 800 | |
| Average Forward Current ($T_a = 35^\circ C$) | $I_F (AV)$ | 3.0 | A |
| Peak One Cycle Surge Forward Current (Non Repetitive) | I_{FSM} | 180 (50Hz) | A |
| Junction Temperature | T_j | -40~150 | $^\circ C$ |
| Storage Temperature Range | T_{stg} | -40~150 | $^\circ C$ |



Weight : 1.18g

MARKING



ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

| 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} | $V_{RRM} = \text{Rated}$ | — | — | 10 | μA |
| Thermal Resistance (Junction to Ambient) | $R_{th(j-a)}$ | DC | — | — | 37 | $^\circ C / W$ |

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