

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

# 1S1886A

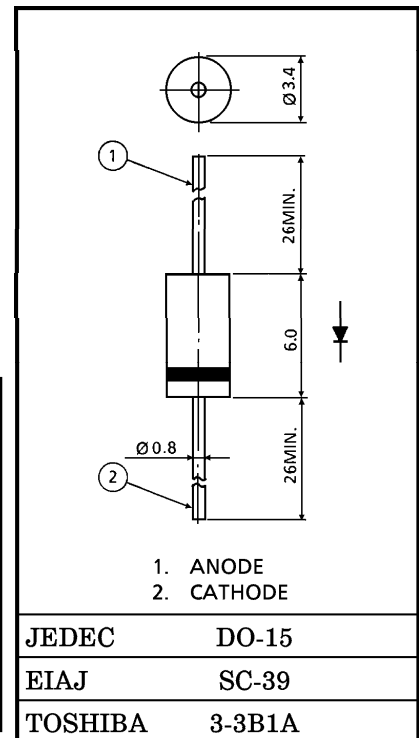
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

- Average Forward Current :  $I_F(AV) = 1.2A$  ( $T_a = 60^\circ C$ )
- Repetitive Peak Reverse Voltage :  $V_{RRM} = 200V$
- Peak One Cycle Surge Forward Current (Non Repetitive)  
:  $I_{FSM} = 100A$  (50Hz)

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

| CHARACTERISTIC  | SYMBOL    | RATING     | UNIT       |
|---|-----------|------------|------------|
| Repetitive Peak Reverse Voltage                       | $V_{RRM}$ | 200        | V          |
| Average Forward Current ( $T_a = 50^\circ C$ )        | $I_F(AV)$ | 1.2        | A          |
| Peak One Cycle Surge Forward Current (Non Repetitive) | $I_{FSM}$ | 100 (50Hz) | A          |
| Junction Temperature                                  | $T_j$     | -40~150    | $^\circ C$ |
| Storage Temperature Range                             | $T_{stg}$ | -40~150    | $^\circ C$ |



Weight : 0.42g

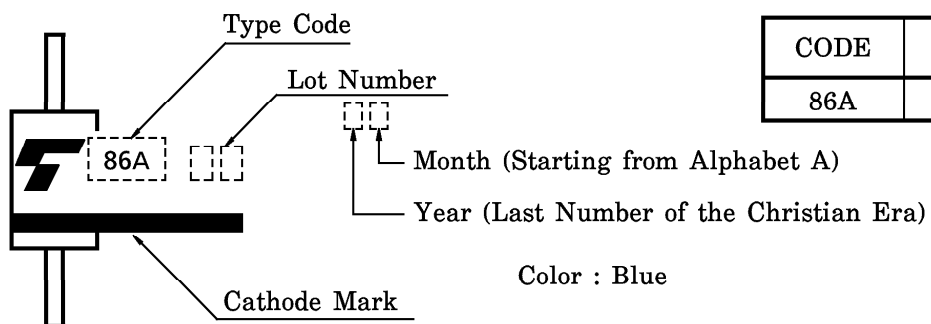
ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ C$ )

| CHARACTERISTIC                           | SYMBOL        | TEST CONDITION   | MIN. | TYP. | MAX. | UNIT         |
|--|---------------|------------------|------|------|------|--------------|
| Peak Forward Voltage                     | $V_{FM}$      | $I_{FM} = 5A$    | —    | —    | 1.0  | V            |
| Repetitive Peak Reverse Current          | $I_{RRM}$     | $V_{RRM} = 200V$ | —    | —    | 10   | $\mu A$      |
| Thermal Resistance (Junction to Ambient) | $R_{th(j-a)}$ | DC               | —    | —    | 100  | $^\circ C/W$ |

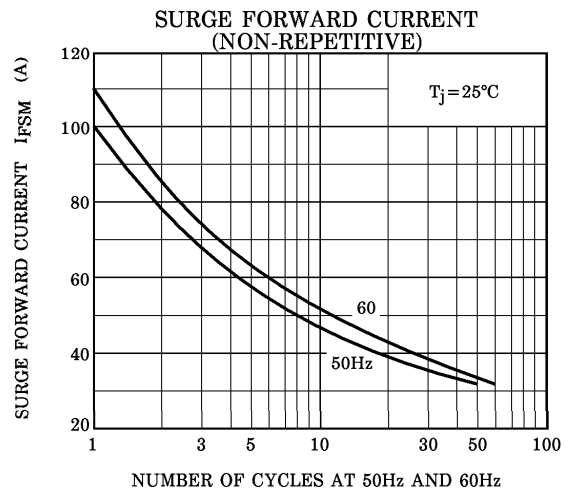
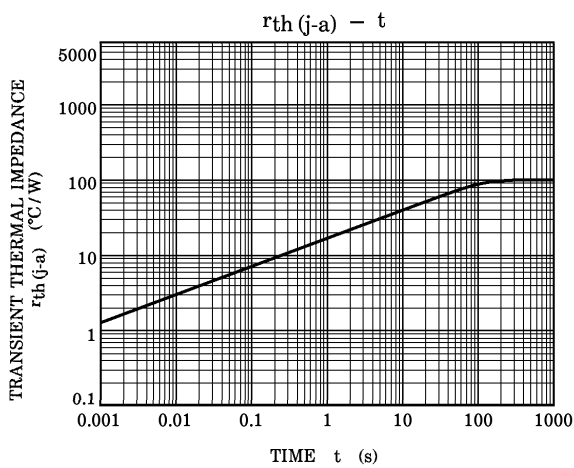
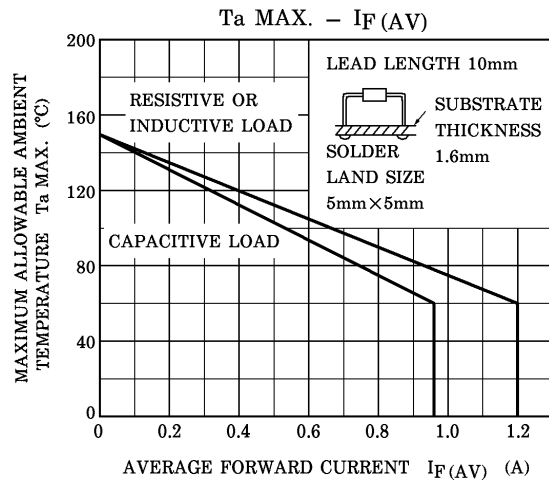
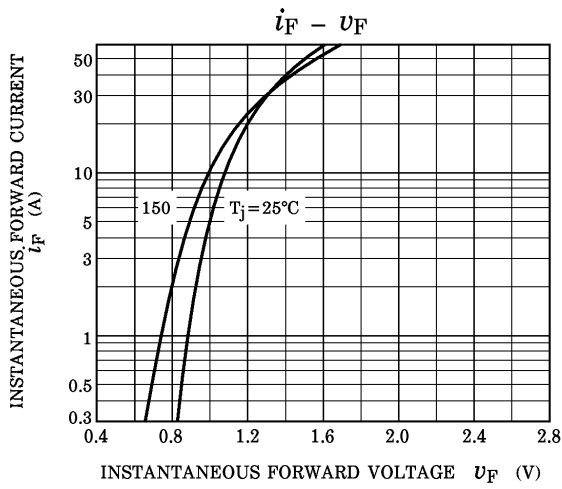
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MARKING



| CODE | TYPE    |
|------|---------|
| 86A  | 1S1886A |



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