

TOSHIBA**1S1886A**

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1S1886A

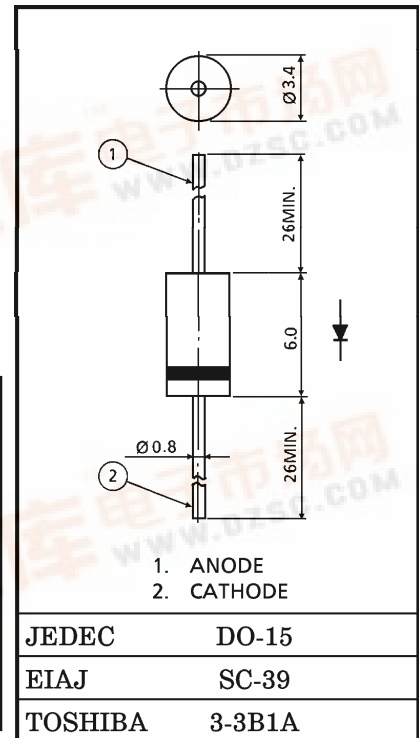
GENERAL PURPOSE RECTIFIER APPLICATIONS

- 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	$-40 \sim 150$	$^\circ C$
Storage Temperature Range	T_{stg}	$-40 \sim 150$	$^\circ C$

Unit in mm

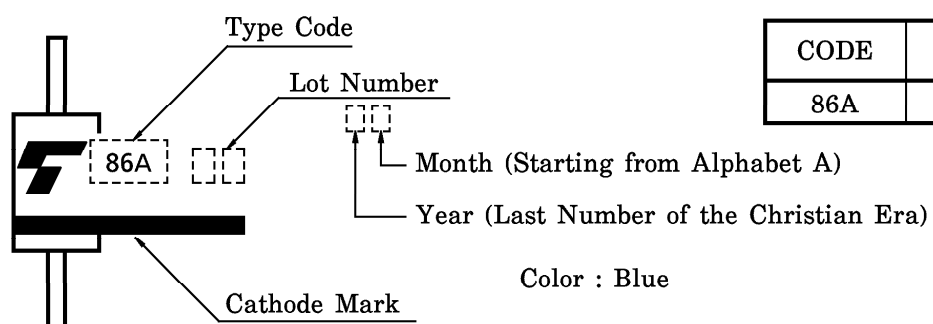
ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

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	μA
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	100	$^\circ C / W$

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MARKING



CODE	TYPE
86A	1S1886A

