

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

# 1S1886A

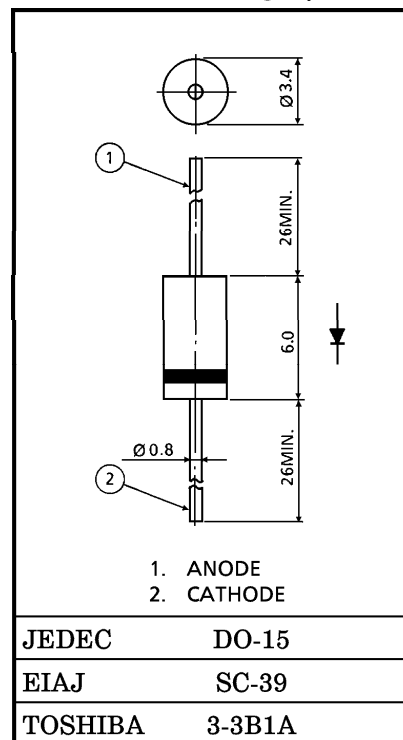
GENERAL PURPOSE RECTIFIER APPLICATIONS

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

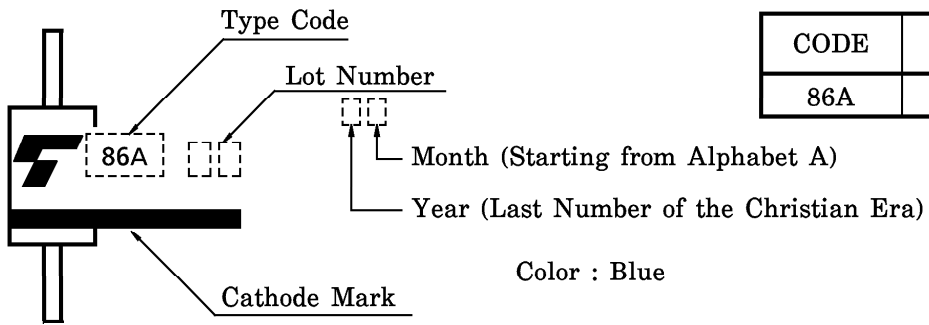
ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ C$ )

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

Color : Blue

