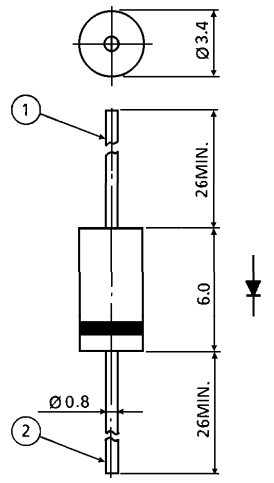
TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1S1886A

GENERAL PURPOSE RECTIFIER APPLICATIONS

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

Unit in mm



1. ANODE
2. CATHODE

JEDEC	DO-15
EIAJ	SC-39
TOSHIBA	3-3B1A

Weight : 0.42g

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Average Forward Current (Ta = 50°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	°C
Storage Temperature Range	T_{stg}	−40~150	°C

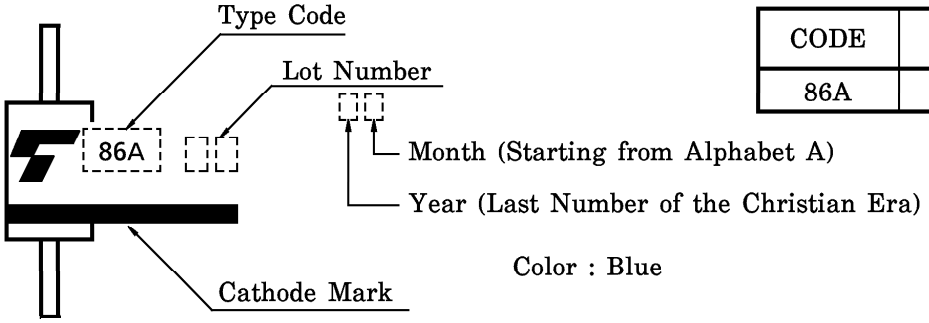
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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	°C / W

961001EAA1

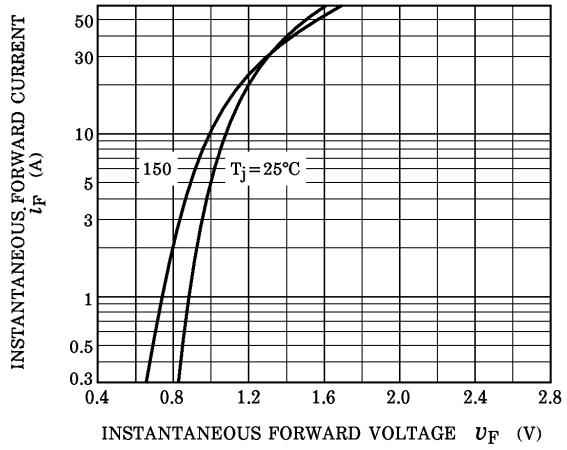
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MARKING

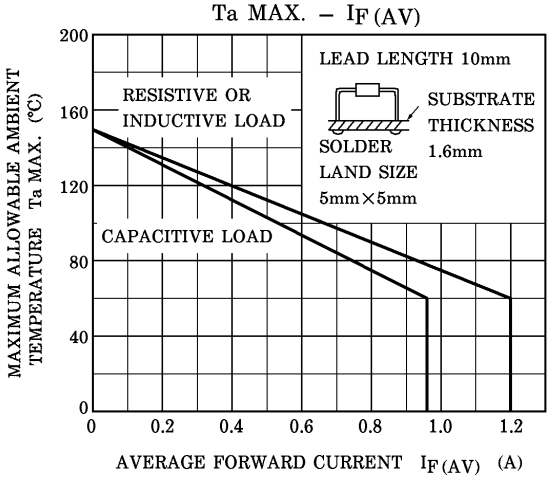


CODE	TYPE
86A	1S1886A

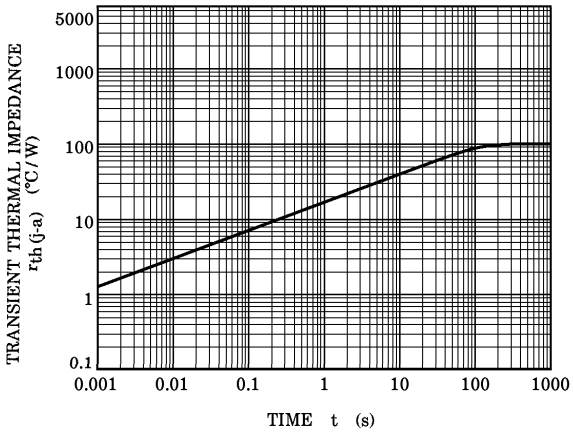
$i_F - v_F$



Ta MAX. – $I_{F(AV)}$



$r_{th(j-a)} - t$



SURGE FORWARD CURRENT (NON-REPETITIVE)

