

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1S1832

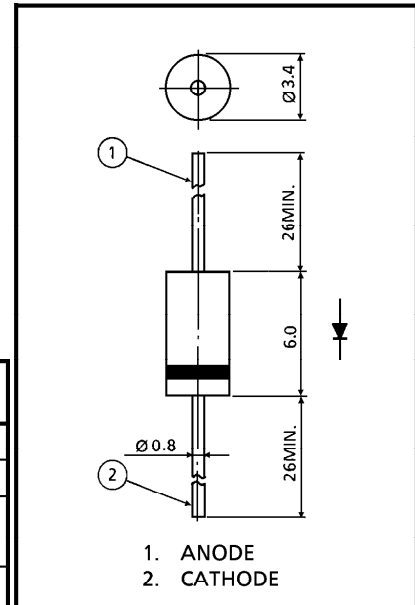
HIGH SPEED RECTIFIER APPLICATIONS.
(FAST RECOVERY)

Unit in mm

- Average Forward Current : $I_F(AV)=0.7A$
- Repetitive Peak Reverse Voltage : $V_{RRM}=1800V$
- Reverse Recovery Time : $t_{rr}=6.0\mu s$
- Plastic Mold Type.

MAXIMUM RATINGS

CHARACTERISTICS	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	1800	V
Reverse Voltage (DC)	V_R	1500	V
Average Forward Current ($T_a=50^\circ C$)	$I_F(AV)$	0.7	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	60 (50Hz) 66 (60Hz)	A
Junction Temperature	T_j	-40 ~ 125	°C
Storage Temperature Range	T_{stg}	-40 ~ 125	°C



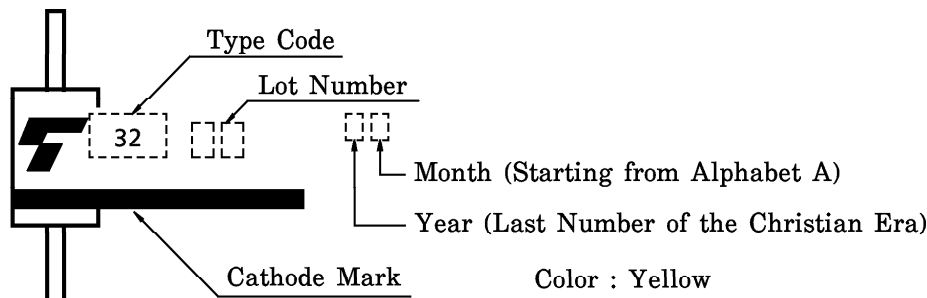
JEDEC	DO-15
EIAJ	SC-39
TOSHIBA	3-3B1A

Weight : 0.42g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=1.5A$	—	—	2.0	V
Repetitive Peak Reverse Current	$I_{RRM}(1)$	$V_{RRM}=1500V$	—	—	10	μA
	$I_{RRM}(2)$	$V_{RRM}=1500V, T_j=125^\circ C$	—	—	400	
Reverse Recovery Time	t_{rr}	$I_F=20mA, I_R=1mA$	—	—	6	μs

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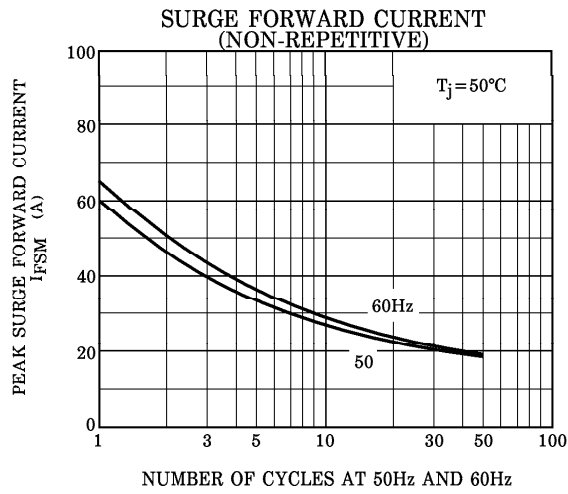
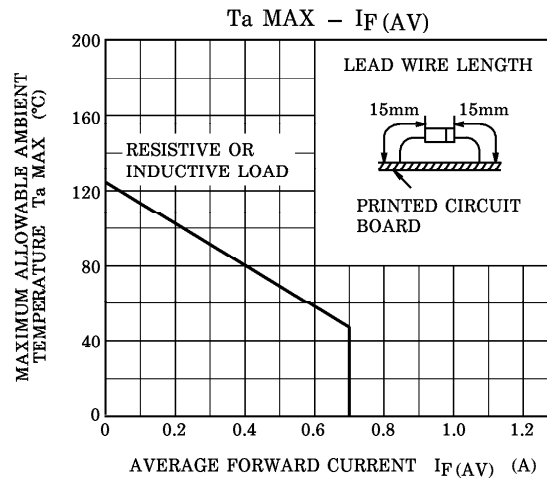
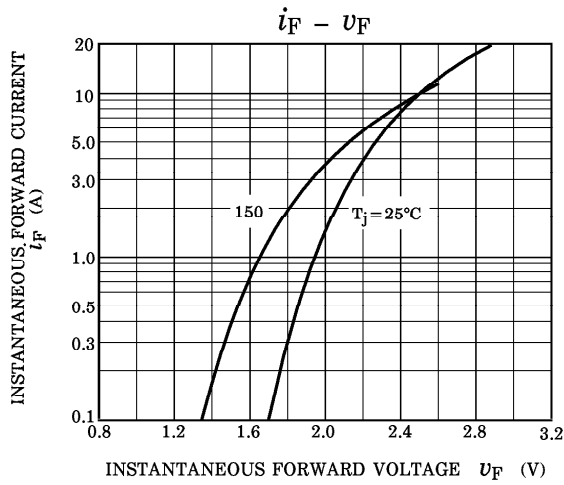


CODE	TYPE
32	1S1832

Color : Yellow

961001EAA2

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