

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

TFR7H

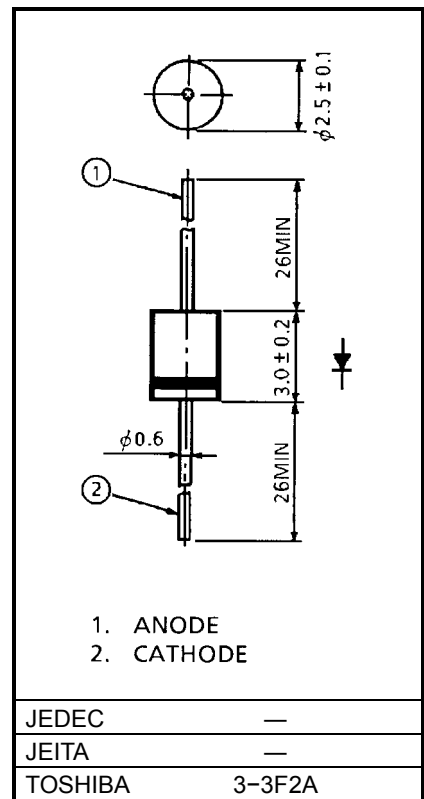
Unit: mm

STROBO FLASHER APPLICATIONS (FAST RECOVERY)

- Average Forward Current : $I_F (AV) = 0.2A$
- Reverse Voltage (DC) : $V_{RM} = 500V$
- Repetitive Peak Reverse Surge Voltage : $V_{RRSM} = 1500V$
- Reverse Recovery Time : $t_{rr} = 10\mu s$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage (DC)	V_{RM}	500	V
Repetitive Peak Reverse Surge Voltage	V_{RRSM}	1500	V
Average Forward Current	$I_F (AV)$	0.2	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	10	A
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~125	°C

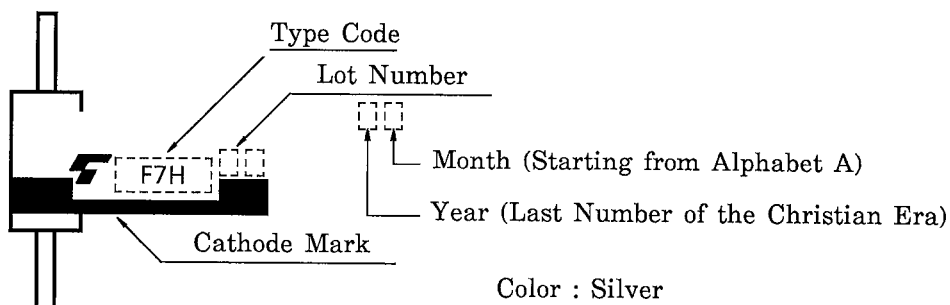


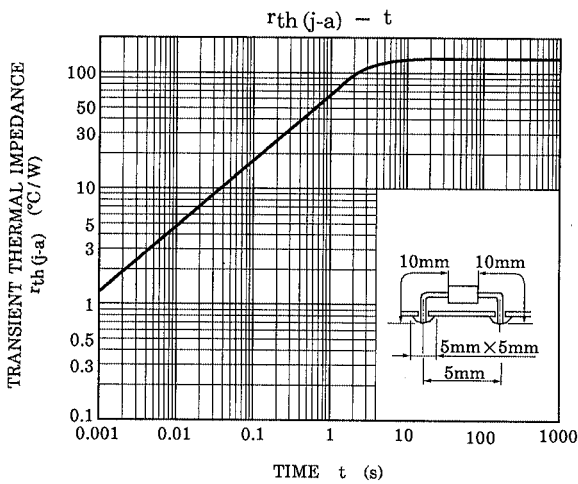
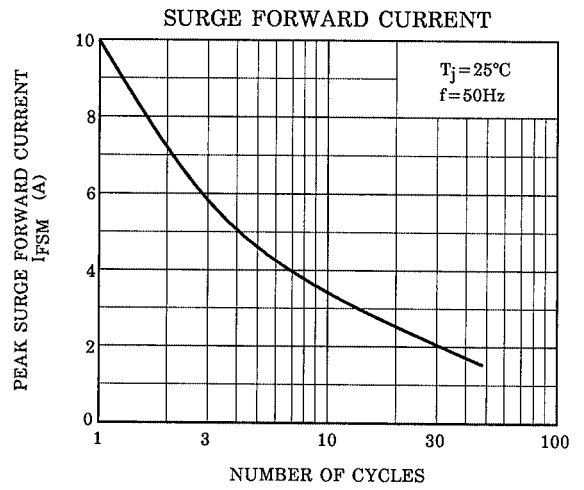
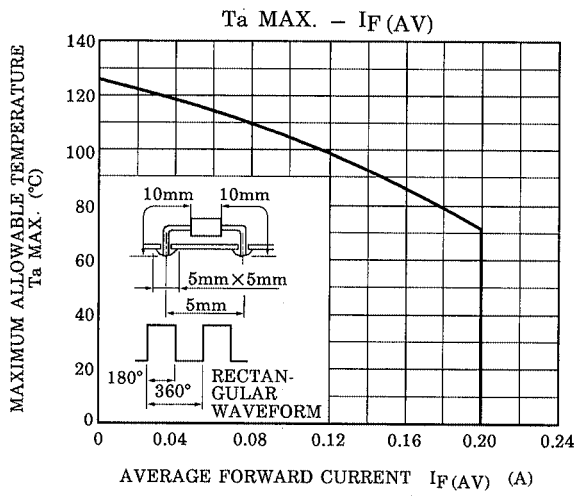
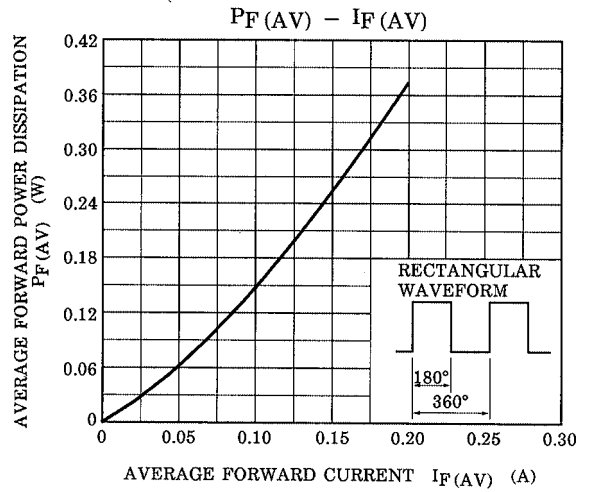
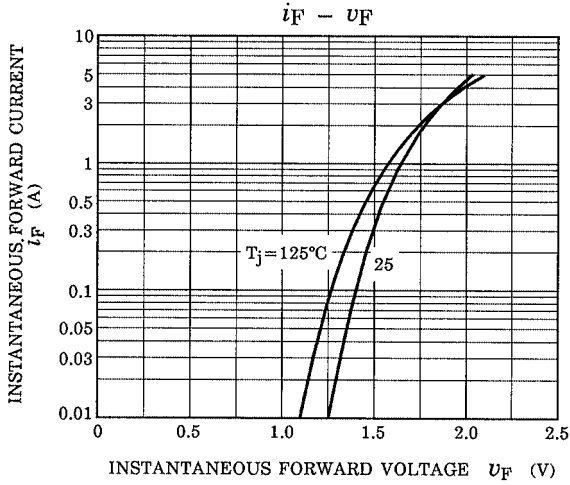
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight: 0.137g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 0.3A$	—	—	1.50	V
Reverse Current	I_{RM}	$V_{RM} = 500V$	—	—	10	μA
Repetitive Peak Reverse Surge Current	I_{RRSM}	$V_{RRSM} = 1500V$	—	100	—	μA
Reverse Recovery Time	t_{rr}	$I_F = 20mA, I_R = 1mA$	—	—	10	μs

MARKING





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