

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

# TFR7H

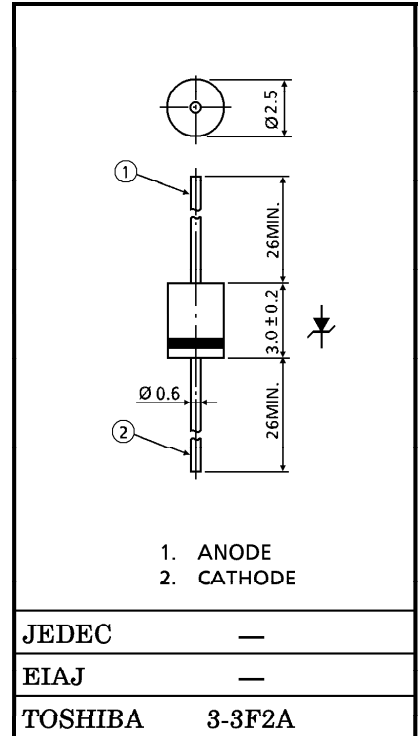
STROBO FLASHER APPLICATIONS (FAST RECOVERY)

Unit in mm

- 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**

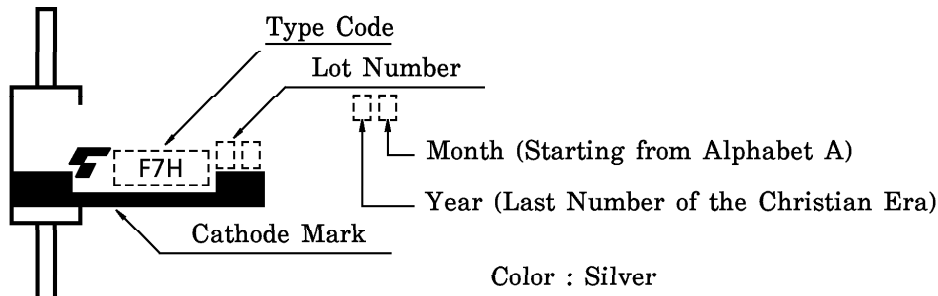
CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage (DC)	$V_{RM}$	500	V
Repetitive Peak Reverse Surge Voltage	$V_{RRSM}$	1500	V
Average Forward Current	$I_F(AV)$	0.2	A
Peak One Cycle Surge Forward Current (Non Repetitive)	$I_{FSM}$	10	A
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$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



**ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

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	$\mu A$
Repetitive Peak Reverse Surge Current	$I_{RRSM}$	$V_{RRSM} = 1500V$	—	100	—	$\mu A$
Reverse Recovery Time	$t_{rr}$	$I_F = 20mA, I_R = 1mA$	—	—	10	$\mu s$

**MARKING**



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