

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

TFR1N, TFR1T

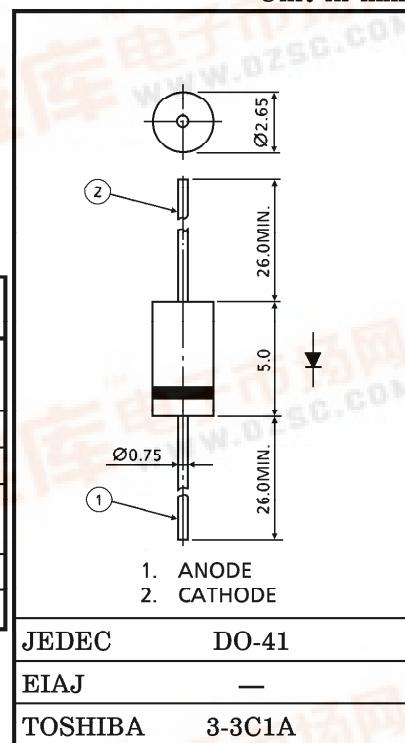
STROBO FLASHER APPLICATIONS. (FAST RECOVERY)

Unit in mm

- Average Forward Current : $I_F(AV) = 0.5A$
- Repetitive Peak Reverse Voltage : $V_{RRM} = 1000, 1500V$
- Reverse Recovery Time : $t_{rr} = 10\mu s$

MAXIMUM RATINGS

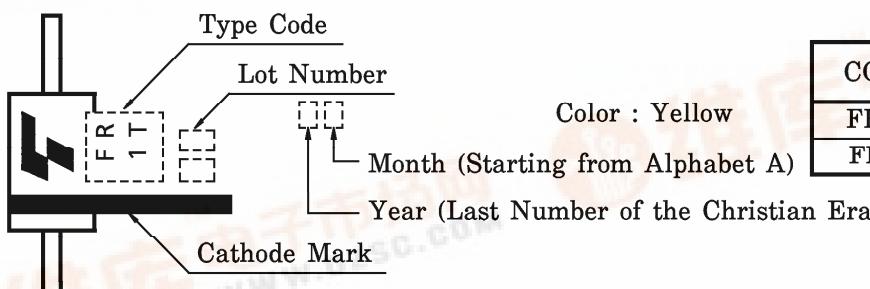
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V _{RRM}	1000	V
		1500	
Average Forward Current	$I_F(AV)$	0.5	A
I^2t Limit Value ($t = 1 \sim 10ms$)	I^2t	2	A^2s
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	20	A
Junction Temperature	T_j	$-40 \sim 125$	°C
Storage Temperature Range	T_{stg}	$-40 \sim 125$	°C

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

Weight : 0.3g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 0.5A$	—	—	1.3	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	—	10	μA
Reverse Recovery Time	t_{rr}	$I_F = 20mA, I_R = 1mA$	—	—	10	μs

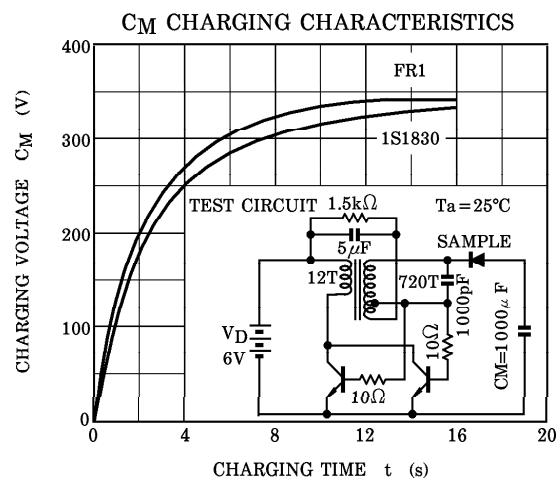
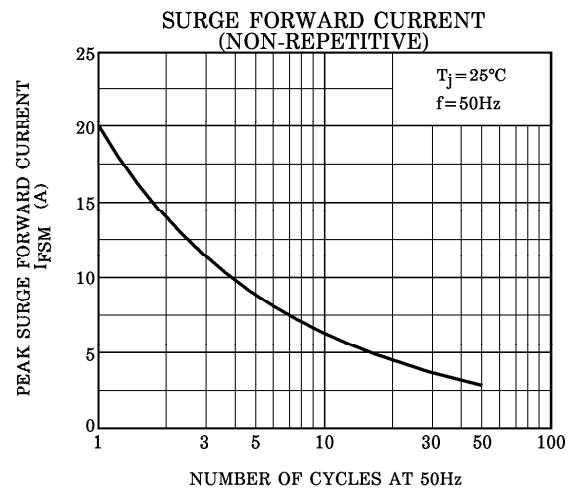
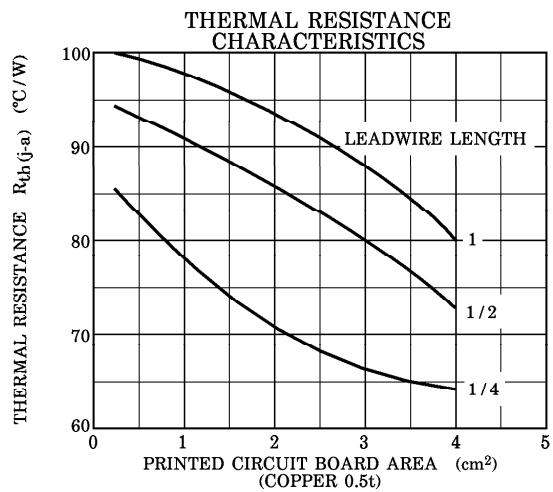
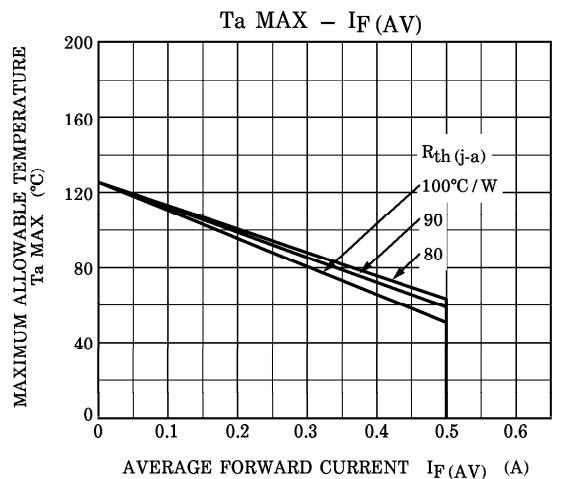
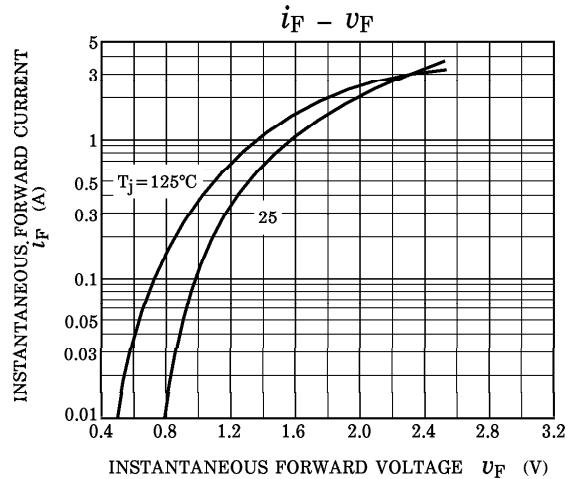
MARKING



CODE	TYPE
FR1N	TFR1N
FR1T	TFR1T

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