

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

# TFR4N, TFR4T

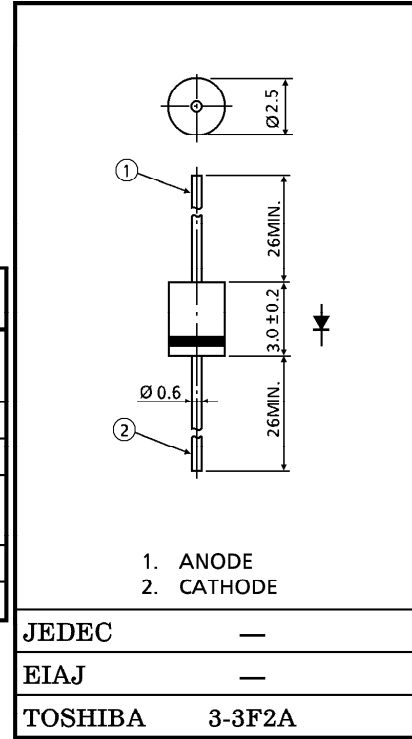
STROBO FLASHER APPLICATIONS. (FAST RECOVERY)

Unit in mm

- Average Forward Current :  $I_F(AV) = 0.3A$
- Repetitive Peak Reverse Voltage :  $V_{RRM} = 1000, 1500V$
- Reverse Recovery Time :  $t_{rr} = 4\mu s$

**MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	TFR4N	1000	V
	TFR4T	1500	
Average Forward Current	$I_F(AV)$	0.3	A
$I^2t$ Limit Value (t=1~10ms)	$I^2t$	0.5	A <sup>2</sup> s
Peak One Cycle Surge Forward Current (Non Repetitive)	$I_{FSM}$	10 (50Hz)	A
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$	-40~125	°C

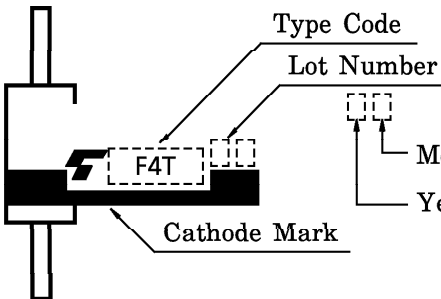


**ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

Weight : 0.18g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 0.5A$	—	—	1.5	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = \text{Rated}$	—	—	10	$\mu A$
Reverse Recovery Time	$t_{rr}$	$I_F = 20mA, I_R = 1mA$	—	—	4	$\mu s$

**MARKING**

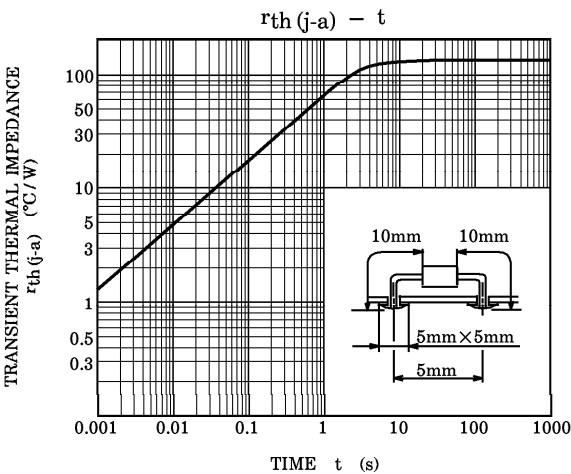
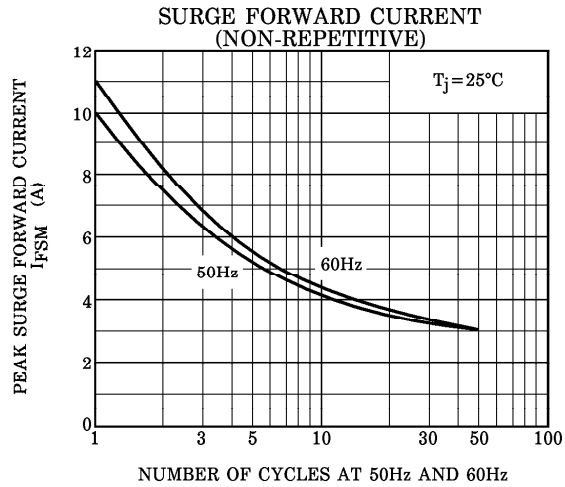
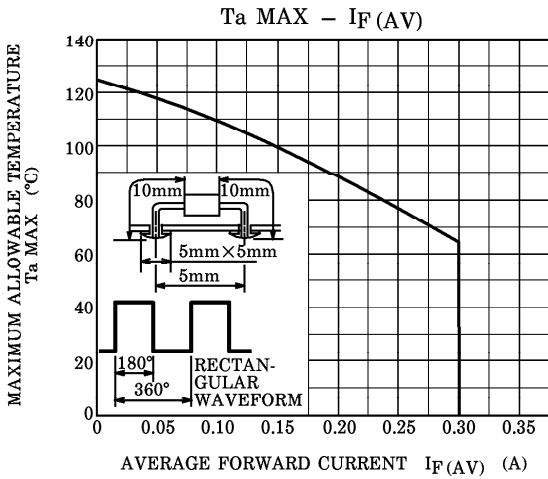
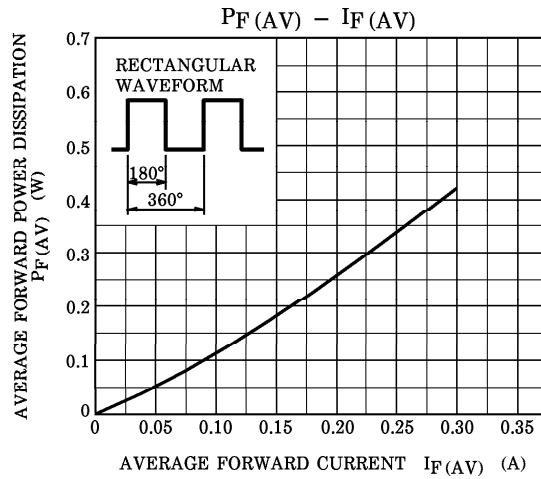
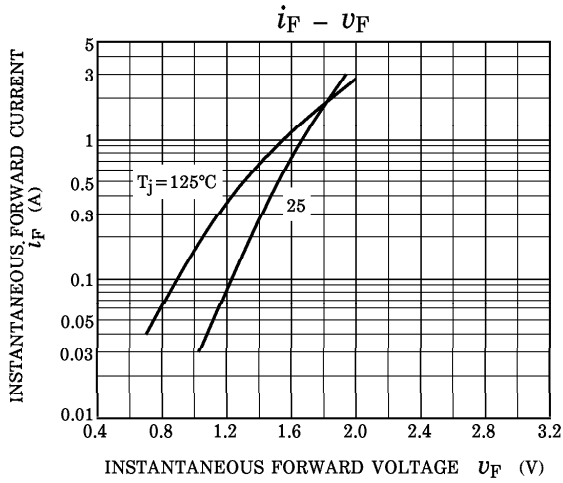


Color : Yellow

CODE	TYPE
F4N	TFR4N
F4T	TFR4T

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