

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

TFR4N, TFR4T

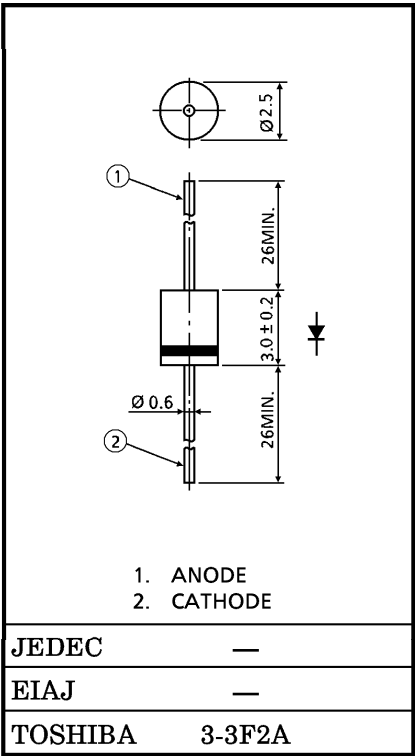
STROBO FLASHER APPLICATIONS (FAST RECOVERY)

Unit in mm

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

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 ($t = 1\sim 10\text{ ms}$)	I^2t	0.5	A^2s
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	10 (50 Hz)	A
Junction Temperature	T_j	$-40\sim 125$	$^{\circ}C$
Storage Temperature Range	T_{stg}	$-40\sim 125$	$^{\circ}C$

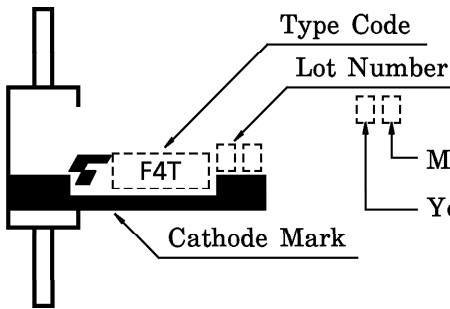


ELECTRICAL CHARACTERISTICS ($T_a = 25^{\circ}C$)

Weight : 0.18 g

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

MARKING



Color : Silver

CODE	TYPE
F4N	TFR4N
F4T	TFR4T

Month (Starting from Alphabet A)
Year (Last Number of the Christian Era)

961001EAA2

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