TOSHIBA Fast Recovery Diode Silicon Diffused Type

TFR4N, TFR4T

Strobo Flasher Applications (fast recovery)

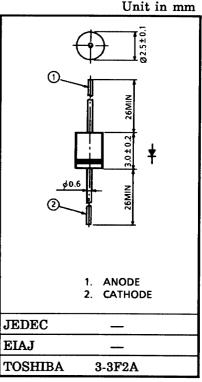
Average Forward Current: $I_F(AV) = 0.3 A$

Repetitive Peak Reverse Voltage: VRRM = 1000, 1500 V

Reverse Recovery Time: $t_{rr} = 4 \mu s$

Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit	
Repetitive peak reverse voltage	TFR4N	V _{RRM}	1000	V	
	TFR4T	V KKM	1500		
Average forward current		I _{F (AV)}	0.3	Α	
I ² t limit value (t = 1 to 10 ms)		l ² t	0.5	A ² s	
Peak one cycle surge forward current (non repetitive)		I _{FSM}	10 (50 Hz)	Α	
Junction temperature		Tj	-40 to 125	°C	
Storage temperature range		T _{stg}	-40 to 125	°C	



Weight: 0.18 g

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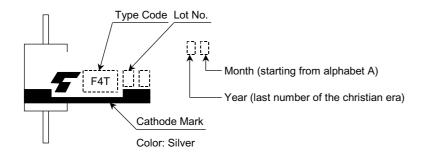
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Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V_{FM}	I _{FM} = 0.5 A	_	_	1.5	V
Repetitive peak reverse current	I _{RRM}	V _{RRM} = Rated	_	_	10	μΑ
Reverse recovery time	t _{rr}	$I_F = 20 \text{ mA}, I_R = 1 \text{ mA}$	_	_	4	μs

Marking



Code	Туре
F4N	TFR4N
F4T	TFR4T

