

TOSHIBA Fast Recovery Diode Silicon Diffused Type

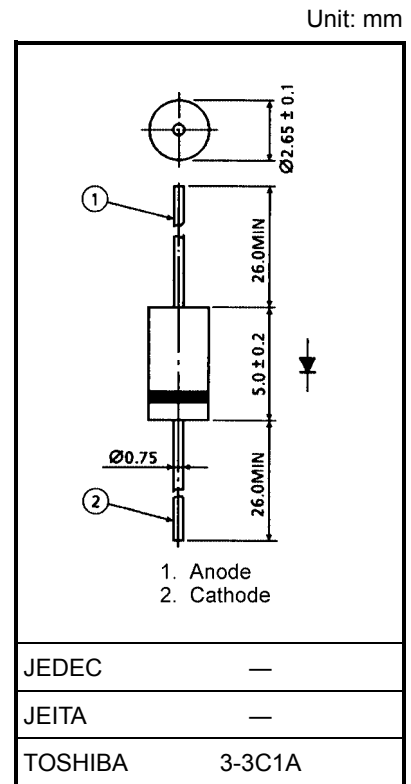
TFR2N, TFR2T

Strobo Flasher Applications (Fast Recovery)

- Average forward current: $I_F(AV) = 0.5 \text{ A}$
- Repetitive peak reverse voltage: $V_{RRM} = 1000, 1500 \text{ V}$
- Reverse-Recovery Time: $t_{rr} = 4 \mu\text{s}$

Maximum Ratings ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Rating	Unit
Repetitive peak reverse voltage	TFR2N	1000	V
	TFR2T	1500	
Average forward current	$I_{F(AV)}$	0.5	A
I^2t limit value ($t = 1\sim 10 \text{ ms}$)	I^2t	2	A^2s
Peak one cycle surge forward current (non-repetitive)	I_{FSM}	20	A
Junction temperature	T_j	$-40\sim 125$	$^\circ\text{C}$
Storage temperature range	T_{stg}	$-40\sim 125$	$^\circ\text{C}$

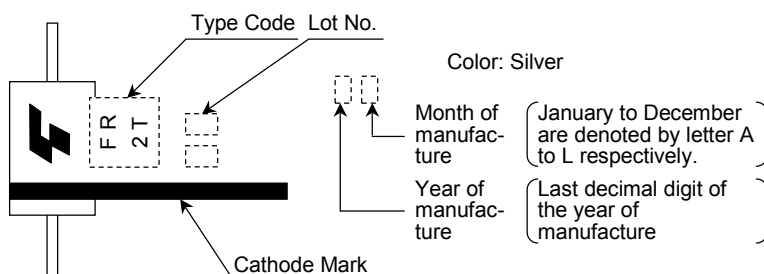


Weight: 0.3 g (typ.)

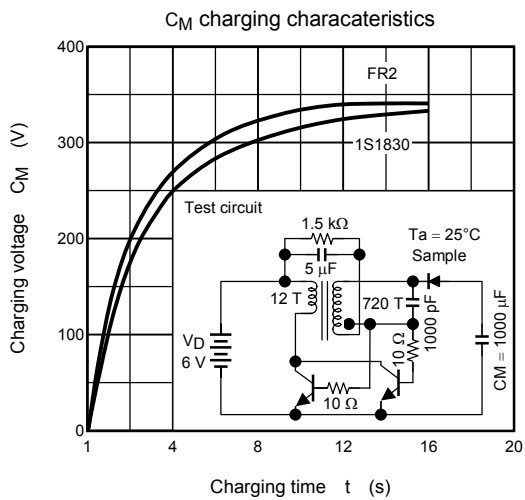
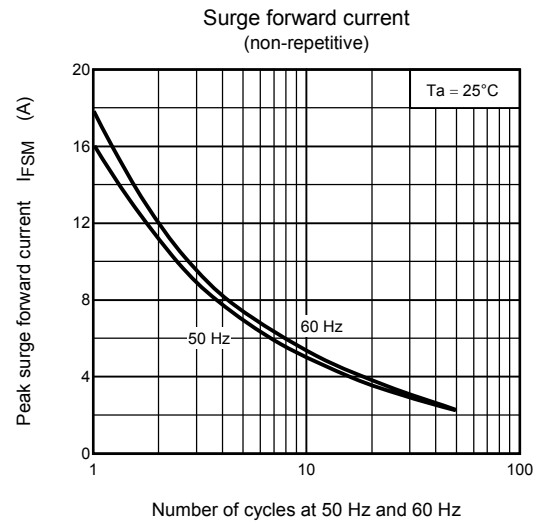
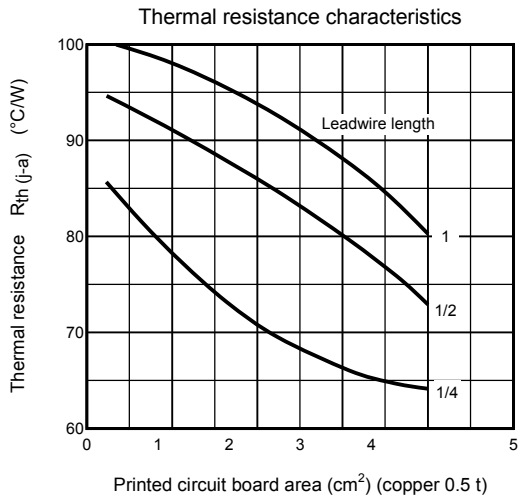
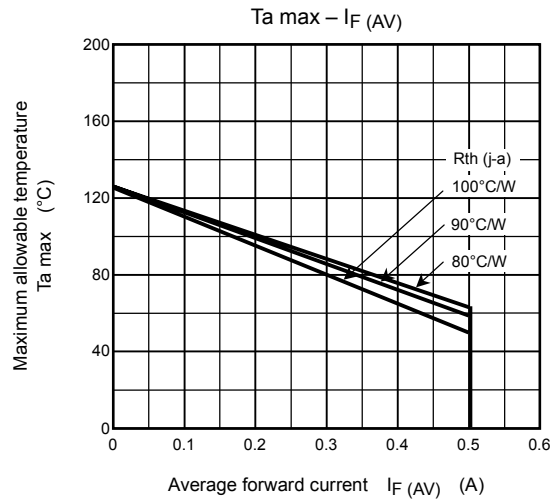
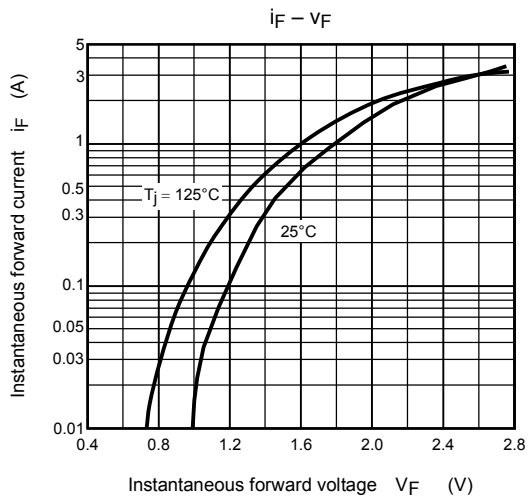
Electrical Characteristics ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Test Condition	Min	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



Code	Type
FR2N	TFR2N
FR2T	TFR2T



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000707EAA

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