

TOSHIBA Fast Recovery Diode Silicon Diffused Type

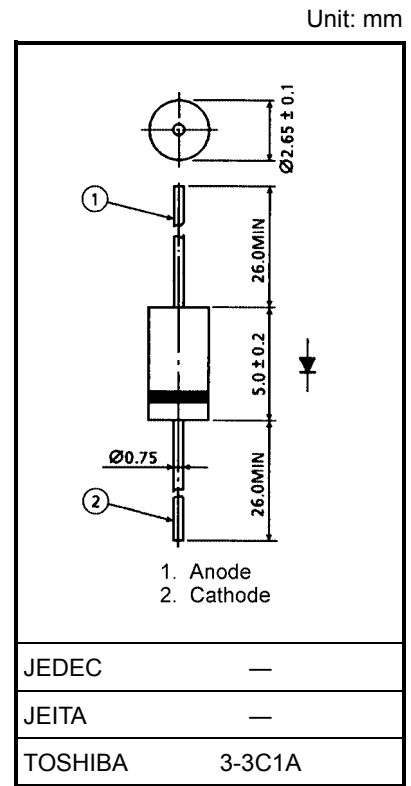
# TFR2N, TFR2T

## 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 (Ta = 25°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 = 1~10 ms)	$I^2t$	2	A <sup>2</sup> s
Peak one cycle surge forward current (non-repetitive)	$I_{FSM}$	20	A
Junction temperature	$T_j$	-40~125	°C
Storage temperature range	$T_{stg}$	-40~125	°C

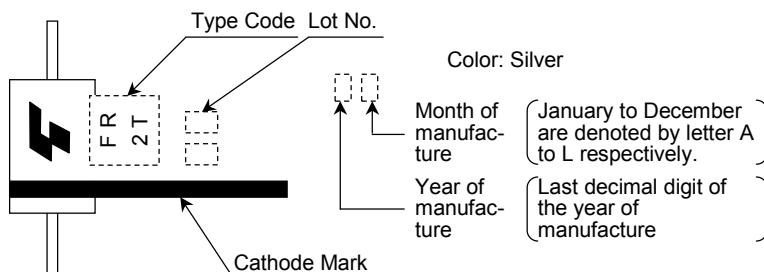


Weight: 0.3 g (typ.)

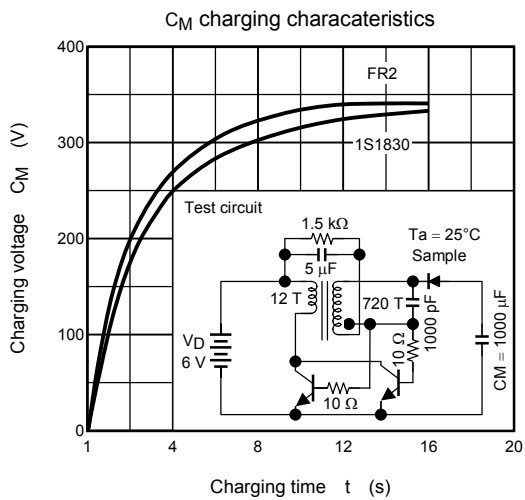
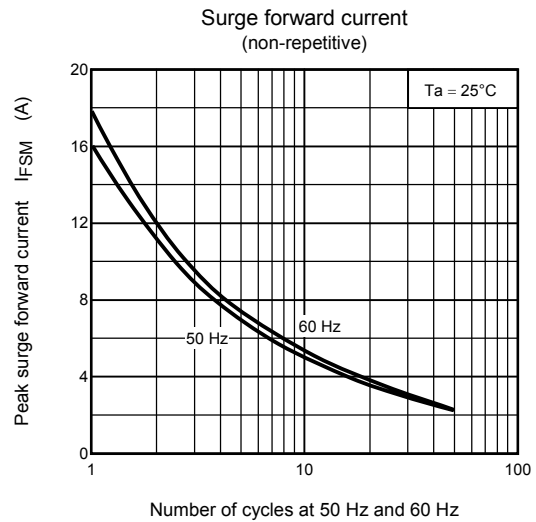
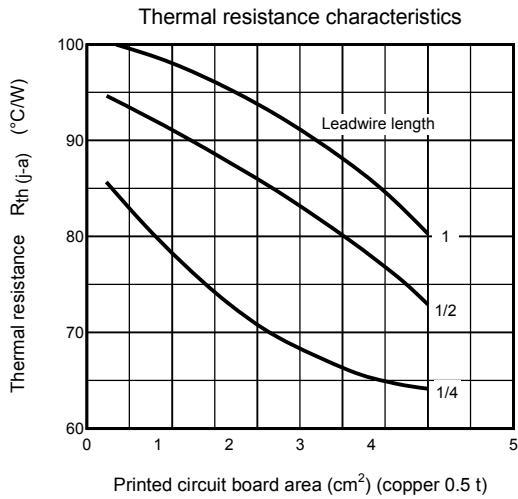
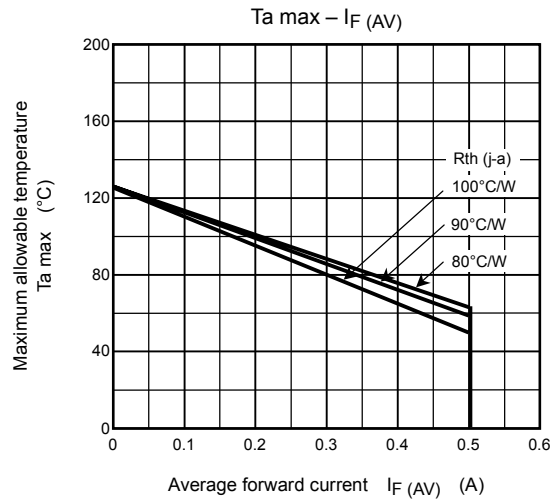
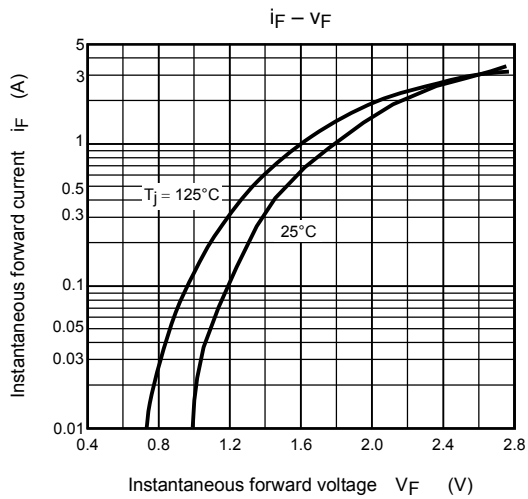
## Electrical Characteristics (Ta = 25°C)

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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