Unit: mm

TOSHIBA Fast Recovery Diode Silicon Diffused Type

# TFR2N, TFR2T

#### Strobo Flasher Applications (Fast Recovery)

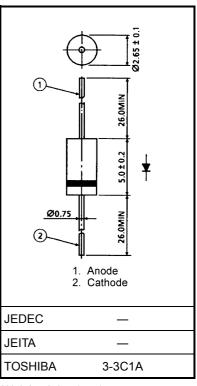
Average forward current: IF (AV) = 0.5 A

• Repetitive peak reverse voltage:  $V_{RRM} = 1000, 1500 \text{ V}$ 

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

## **Maximum Ratings (Ta = 25°C)**

Characteristics		Symbol	Rating	Unit	
Repetitive peak reverse voltage	TFR2N	$V_{RRM}$	1000	V	
	TFR2T		1500	V	
Average forward current		I <sub>F(AV)</sub>	0.5	Α	
$I^2t$ limit value (t = 1~10 ms)		I <sup>2</sup> t	2	A <sup>2</sup> s	
Peak one cycle surge forward current (non-repetitive)		I <sub>FSM</sub>	20	Α	
Junction temperature		Tj	-40~125	°C	
Storage temperature range		T <sub>stg</sub>	−40 <b>~</b> 125	°C	

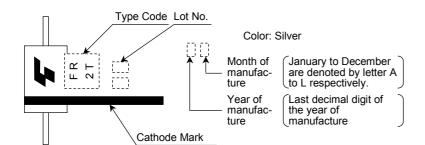


Weight: 0.3 g (typ.)

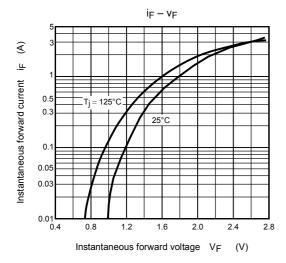
## **Electrical Characteristics (Ta = 25°C)**

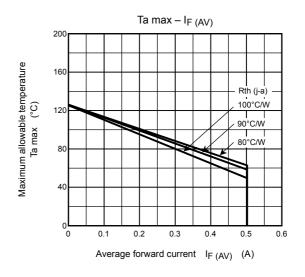
Characteristics	Symbol	Test Condition	Min	Max	Unit
Peak forward voltage	$V_{FM}$	I <sub>FM</sub> = 0.5 A	_	1.5	V
Repetitive peak reverse current	I <sub>RRM</sub>	V <sub>RRM</sub> = Rated	_	10	μΑ
Reverse recovery time	t <sub>rr</sub>	I <sub>F</sub> = 20 mA, I <sub>R</sub> = 1 mA	_	4	μS

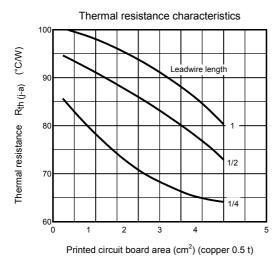
#### Marking

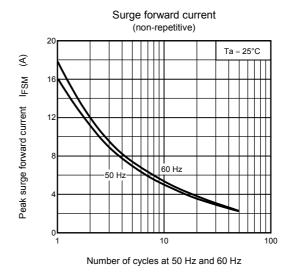


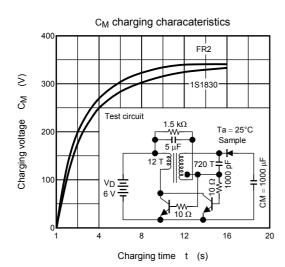
Code	Туре
FR2N	TFR2N
FR2T	TFR2T











2 2002-08-29

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000707EAA

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