TOSHIBA TFR1N,TFR1T

#### TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

# TFR1N, TFR1T

# STROBO FLASHER APPLICATIONS (FAST RECOVERY)

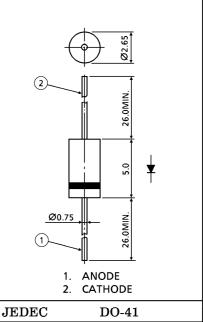
Average Forward Current  $: I_{F(AV)} = 0.5 A$ 

Repetitive Peak Reverse Voltage: V<sub>RRM</sub> = 1000, 1500 V

Reverse Recovery Time :  $t_{rr} = 10 \ \mu s$ 

## **MAXIMUM RATINGS**

CHARACTERISTIC		SYMBOL	RATING	UNIT	
Repetitive Peak Reverse	TFR1N	3.7	1000	v	
Voltage	TFR1T	$v_{RRM}$	1500		
Average Forward Current		I <sub>F (AV)</sub>	0.5	A	
I <sup>2</sup> t Limit Value (t = 1~10 ms)		${f I}^2{f t}$	2	$A^2s$	
Peak One Cycle Surge Forward Current (Non Repetitive)		$I_{FSM}$	20	A	
Junction Temperature		$T_{j}$	-40~125	°C	
Storage Temperature Range		$T_{ m stg}$	-40~125	°C	



Unit in mm

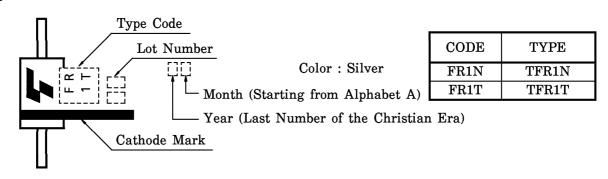
JEDEC	DO-41	
EIAJ	_	
TOSHIBA	3-3C1A	

## Weight: 0.3 g

## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{ extbf{FM}}$	$I_{\text{FM}} = 0.5 \text{ A}$	_	_	1.3	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = Rated$	_	_	10	$\mu$ <b>A</b>
Reverse Recovery Time	t <sub>rr</sub>	$I_{\mathrm{F}} = 20  \mathrm{mA}, \ I_{\mathrm{R}} = 1  \mathrm{mA}$	_	_	10	μs

#### **MARKING**



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