

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

**TVR5B, TVR5G, TVR5J**

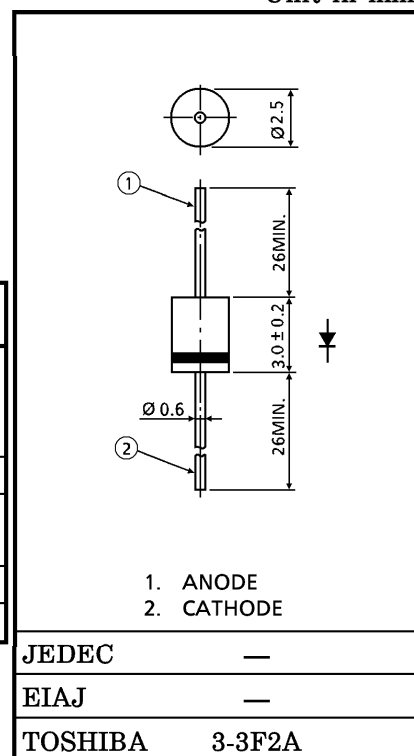
TV APPLICATIONS (FAST RECOVERY)

Unit in mm

- Average Forward Current :  $I_F (AV) = 0.5 \text{ A}$
- Repetitive Peak Reverse Voltage :  $V_{RRM} = 100 \sim 600 \text{ V}$
- Reverse Recovery Time :  $t_{rr} = 1.5 \mu\text{s}$

## MAXIMUM RATINGS

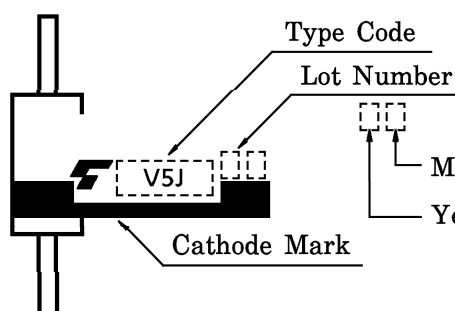
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	TVR5B	100	V
	TVR5G	400	
	TVR5J	600	
Average Forward Current	$I_F (AV)$	0.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)	$I_{FSM}$	20	A
Junction Temperature	$T_j$	$-40 \sim 125$	$^{\circ}\text{C}$
Storage Temperature Range	$T_{stg}$	$-40 \sim 125$	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ( $T_a = 25^{\circ}\text{C}$ )

Weight : 0.18 g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 0.5 \text{ A}$	—	—	1.2	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = \text{Rated}$	—	—	10	$\mu\text{A}$
Reverse Recovery Time	$t_{rr} (1)$	$I_F = 20 \text{ mA}, I_R = 1 \text{ mA}$	—	—	1.5	$\mu\text{s}$
	$t_{rr} (2)$	$I_F = 100 \text{ mA}, I_R = 100 \text{ mA}$	—	—	500	$\mu\text{s}$

## MARKING



Color : Silver

Month (Starting from Alphabet A)

Year (Last Number of the Christian Era)

CODE	TYPE
V5B	TVR5B
V5G	TVR5G
V5J	TVR5J

961001EAA2

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