

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

TVR2B, TVR2G, TVR2J

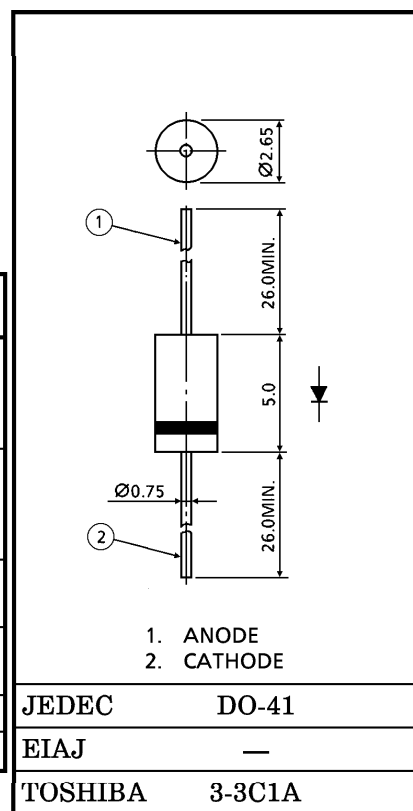
TV APPLICATIONS (FAST RECOVERY)

Unit in mm

- Average Forward Current : $I_F (AV) = 0.5 \text{ A}$ ($T_a = 50^\circ\text{C}$)
- Repetitive Peak Reverse Voltage : $V_{RRM} = 100 \text{ V} \sim 600 \text{ V}$
- Reverse Recovery Time : $t_{rr} = 5 \sim 20 \mu\text{s}$

MAXIMUM RATING

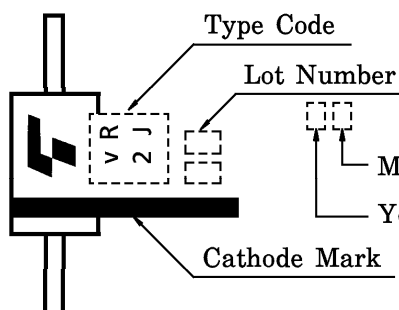
CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	TVR2B	V_{RRM}	100	V
	TVR2G		400	
	TVR2J		600	
Reverse Voltage (DC)	TVR2B	V_R	50	V
	TVR2G		300	
	TVR2J		500	
Average Forward Current ($T_a = 50^\circ\text{C}$)		$I_F (AV)$	0.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	30 (50 Hz)	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 : 0.3 g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.0 \text{ A}$	—	1.4	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	10	μA
Reverse Recovery Time	t_{rr}	$I_F = 20 \text{ mA}$, $I_R = 1 \text{ mA}$	5	20	μs
Forward Recovery Voltage	V_{fr}	$I_F = 0.1 \text{ A}$, $t_r = 100 \text{ ns}$, $t_w = 5 \mu\text{s}$	—	6	V

MARKING



Color : Silver

CODE	TYPE
VR2B	TVR2B
VR2G	TVR2G
VR2J	TVR2J

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