

TVR5B,TVR5G,TVR5J

TOSHIBA Fast Recovery Diode Silicon Diffused Type

## TVR5B,TVR5G,TVR5J

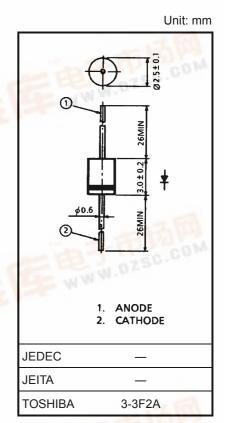
TV Applications (fast recovery)

- Average Forward Current: I<sub>F</sub> (AV) =0.5 A
- Repetitive Peak Reverse Voltage: V<sub>RRM</sub> = 100 V, 400V, 600V
- Reverse Recovery Time:  $t_{rr} = 1.5 \ \mu s$

# Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit	
Repetitive peak reverse voltage	TVR5B		100	V	
	TVR5G	V <sub>RRM</sub>	400		
	TVR5J		600		
Average forward current		I <sub>F (AV)</sub>	0.5	А	
Peak one cycle surge forward current (non repetitive)		IFSM	20	A	
Junction temperature		JSC.	-40 to 125	°C	
Storage temperature range		T <sub>stg</sub>	-40 to 125	°C	

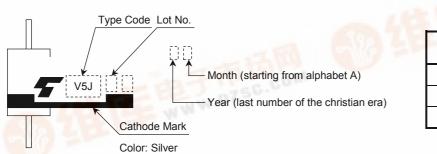
### Electrical Characteristics (Ta = 25°C)



Weight: 0.18 g (typ.)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V <sub>FM</sub>	I <sub>FM</sub> = 0 <mark>.5 A</mark>	_	_	1.2	V
Repetitive peak reverse current	IRRM	V <sub>RRM</sub> = Rated	—	—	10	μA
Reverse recovery time	t <sub>rr (1)</sub>	$I_{F} = 20 \text{ mA}, I_{R} = 1 \text{ mA}$		_	1.5	μS
	t <sub>rr (2)</sub>	$I_F = 100 \text{ mA}, I_R = 100 \text{ mA}$	_	_	500	μS

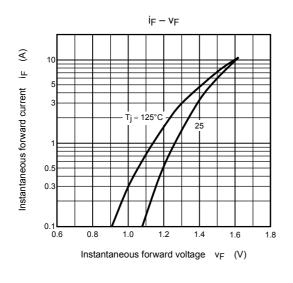
#### Marking

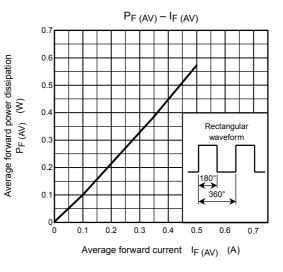


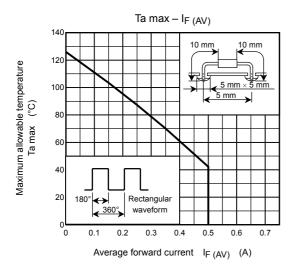
Code	Туре		
V5B	TVR5B		
V5G	TVR5G		
V5J	TVR5J		

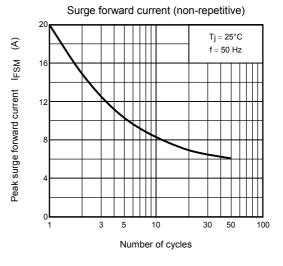
## TOSHIBA

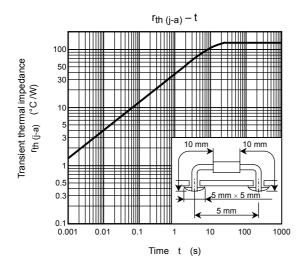
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## TOSHIBA

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