TOSHIBA Fast Recovery Diode Silicon Diffused Type

# TVR5B,TVR5G,TVR5J

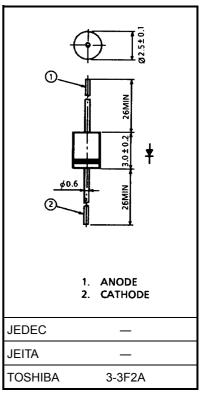
# TV Applications (fast recovery)

Unit: mm

- Average Forward Current: IF (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	
	TVR5B		100	V	
Repetitive peak reverse voltage	TVR5G	$V_{RRM}$	400		
	TVR5J		600		
Average forward current		I <sub>F (AV)</sub>	0.5	Α	
Peak one cycle surge forward current (non repetitive)		I <sub>FSM</sub>	20	Α	
Junction temperature		Tj	-40 to 125	°C	
Storage temperature range		T <sub>stg</sub>	-40 to 125	°C	

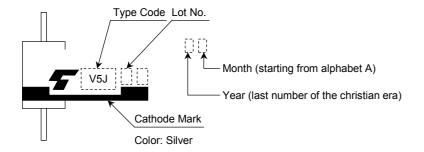


Weight: 0.18 g (typ.)

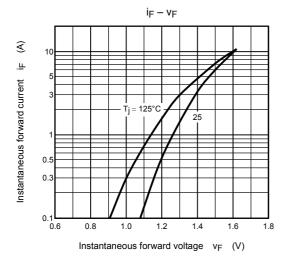
#### **Electrical Characteristics (Ta = 25°C)**

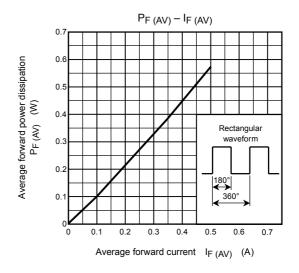
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	$V_{FM}$	I <sub>FM</sub> = 0.5 A	_	_	1.2	V
Repetitive peak reverse current	I <sub>RRM</sub>	V <sub>RRM</sub> = Rated	_		10	μΑ
Reverse recovery time	t <sub>rr (1)</sub>	$I_F = 20 \text{ mA}, I_R = 1 \text{ mA}$	_	_	1.5	μS
Trevelse recovery unite	t <sub>rr (2)</sub>	$I_F = 100 \text{ mA}, I_R = 100 \text{ mA}$	_	_	500	μS

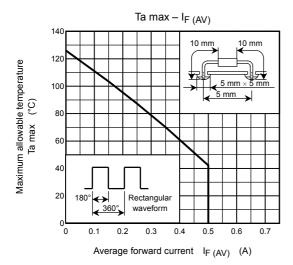
### Marking

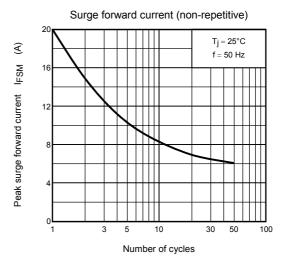


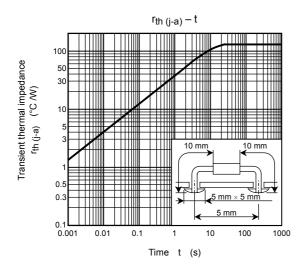
Code	Туре		
V5B	TVR5B		
V5G	TVR5G		
V5J	TVR5J		











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