Unit: mm

TOSHIBA Fast Recovery Diode Silicon Diffused Type

TVR2B,TVR2G,TVR2J

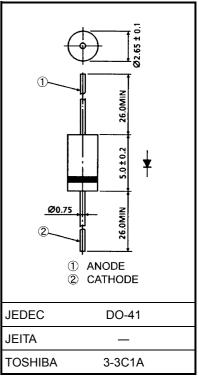
TV Applications (fast recovery)

• Average Forward Current: IF (AV) = 0.5 A (Ta = 50°C)

- Repetitive Peak Reverse Voltage: $V_{RRM} = 100$ to 600 V
- Reverse Recovery Time: $t_{rr} = 5$ to 20 μs
- Plastic Mold Type.

Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit	
Repetitive peak reverse voltage	TVR2B		100	V	
	TVR2G	V_{RRM}	400		
	TVR2J		600		
Reverse voltage (DC)	TVR2B		50	٧	
	TVR2G	V_{R}	300		
	TVR2J		500		
Average forward current (Ta = 50°C)		I _{F (AV)}	0.5	Α	
Peak one cycle surge forward current (non repetitive)		leave	30 (50 Hz)	Α	
		IFSM	33 (60 Hz)		
Junction temperature		Tj	-40 to 125	°C	
Storage temperature range		T _{stg}	-40 to 125	°C	



Weight: 0.3 g (typ.)

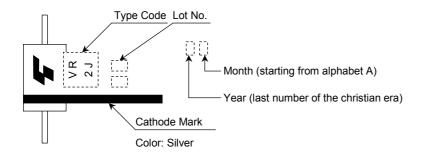
Electrical Characteristics (Ta = 25°C)

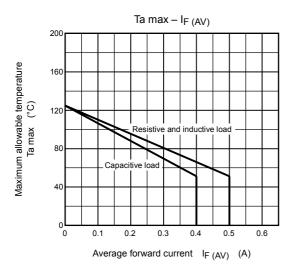
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V_{FM}	I _{FM} = 1.0 A	_	_	1.4	V
Repetitive peak reverse current	I _{RRM}	V _{RRM} = Rated	_	_	10	μΑ
Reverse recovery time	t _{rr}	$I_F = 20 \text{ mA}, I_R = 1 \text{ mA}$	5	_	20	μS
Forward recovery voltage	V _{fr}	$I_F = 0.1 \text{ A}, t_r = 100 \text{ ns}, t_W = 5 \mu \text{s}$	_	_	6	٧

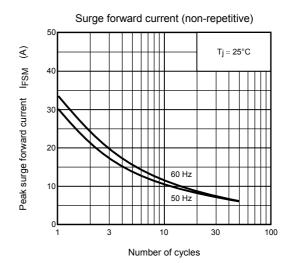
Note1: Soldering: 5 mm is the minimum to be kept between case and soldering part.

Note2: Lead bending: 5 mm is the minimum to be kept from the case when bend the lead wire.

Marking







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000707EAA

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