TOSHIBA TVR4J,TVR4N

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

TVR4J, TVR4N

HIGH SPEED RECTIFIER APPLICATIONS (FAST RECOVERY)

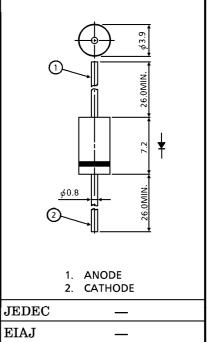
Repetitive Peak Reverse Voltage: V_{RRM} = 600, 1000 V

 $: I_{F(AV)} = 1.2 \text{ A (Ta} = 55^{\circ}\text{C)}$ Average Forward Current

Reverse Recovery Time : $t_{rr} = 20 \ \mu s$

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT	
Repetitive Peak Reverse	TFR4J	3.7	600	v	
Voltage	TFR4N	v_{RRM}	1000] '	
Average Forward Current (Ta = 55°C)		I _{F (AV)}	1.2	A	
Peak One Cycle Surge Forward Current (Non Repetitive)		I _{FSM}	100 (50 Hz)	A	
Junction Temperature		$T_{ m j}$	-40~150	°C	
Storage Temperature Range		T _{stg} -40~150		°C	



Unit in mm

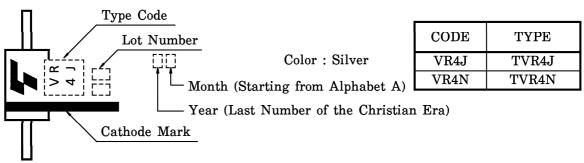
TOSHIBA 3-4B1A

Weight: 0.47 g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$ m V_{FM}$	$I_{\text{FM}} = 5 \text{ A}$	_	_	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = Rated$	_	_	10	μ A
Reverse Recovery Time	t _{rr}	$I_{\mathrm{F}}=20\mathrm{mA},~I_{\mathrm{R}}=1\mathrm{mA}$	_	_	20	μs
Thermal Resistance (Junction to Ambient)	R _{th (j-a)}	DC	_	_	80	°C/W

MARKING

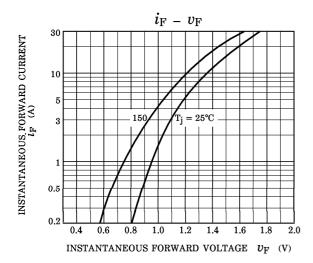


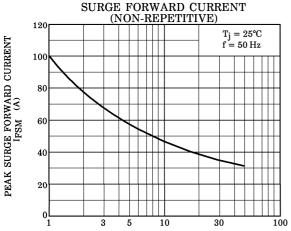
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NUMBER OF CYCLES AT 50 Hz

