

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

5 V U Z 5 2

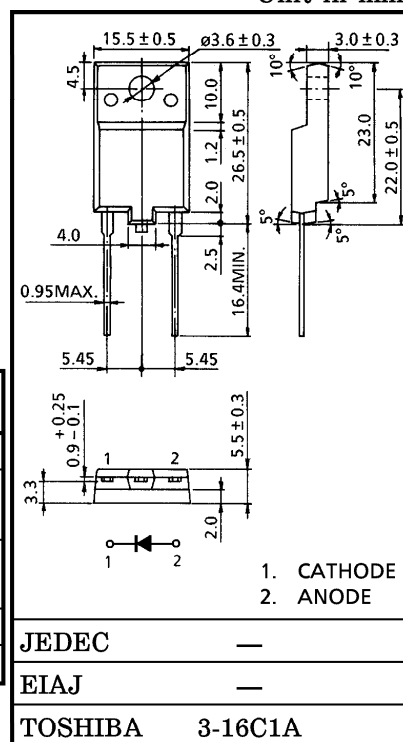
HORIZONTAL DEFLECTION OUTPUT FOR HIGH RESOLUTION DISPLAY,
COLOR TV (DAMPER-diode)

Unit in mm

- Repetitive Peak Reverse Voltage : $V_{RRM} = 1700 \text{ V}$
- Average Forward Current : $I_F (A_V) = 5 \text{ A}$
- Reverse-Recovery Time : $t_{rr} = 0.6 \mu s$
- High Reliability

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	1700	V
Average Forward Current ($T_c = 115^{\circ}\text{C}$)	$I_F (A_V)$	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	50 (50 Hz)	A
Junction Temperature	T_j	$-40 \sim 150$	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	$-40 \sim 150$	$^{\circ}\text{C}$

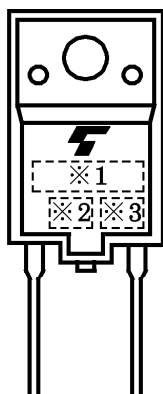


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 5.5 g (Typ.)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 5\text{ A}$	—	—	1.8	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 1700\text{ V}$	—	—	50	μA
Reverse Recovery Time	t_{rr}	$I_F = 0.1\text{ A}$, $I_R = 0.1\text{ A}$	—	—	0.6	μs
Thermal Resistance	$R_{th(j-c)}$	DC	—	—	2.5	$^{\circ}\text{C/W}$

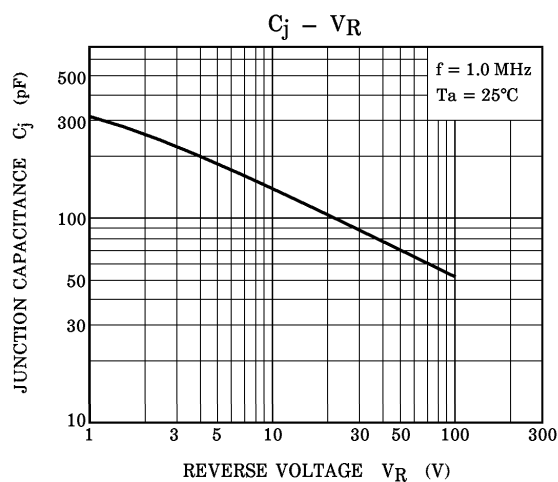
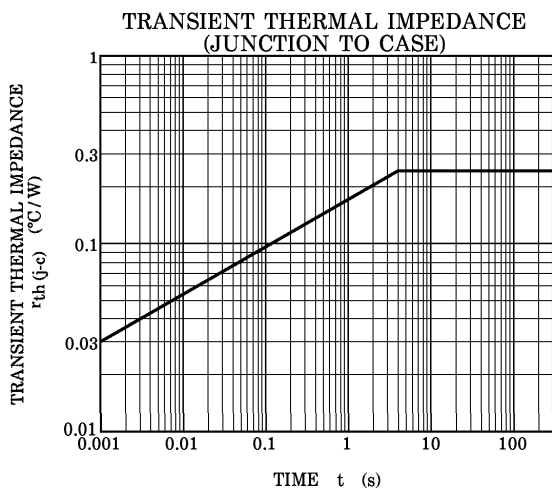
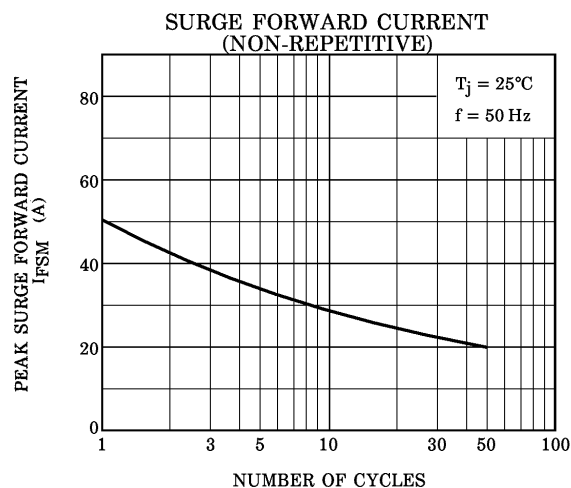
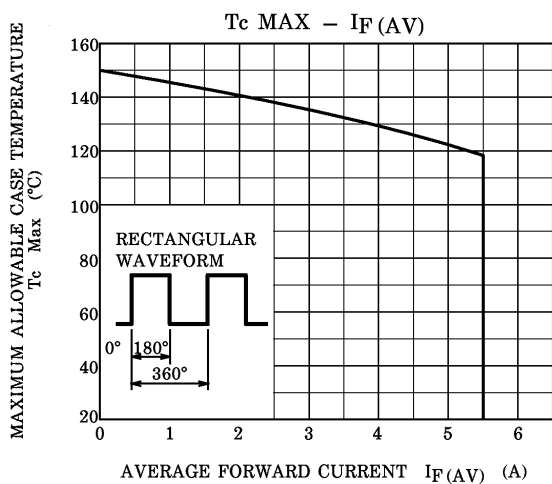
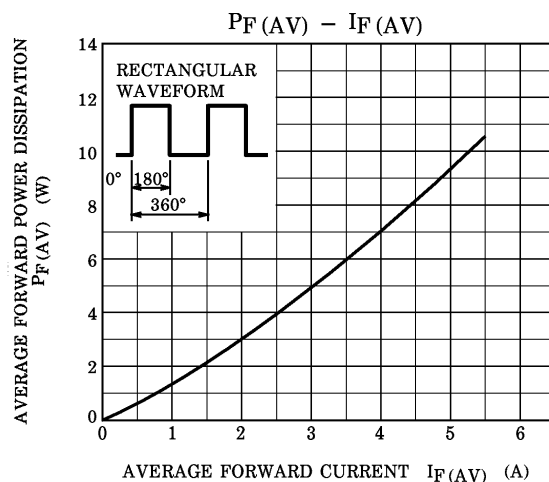
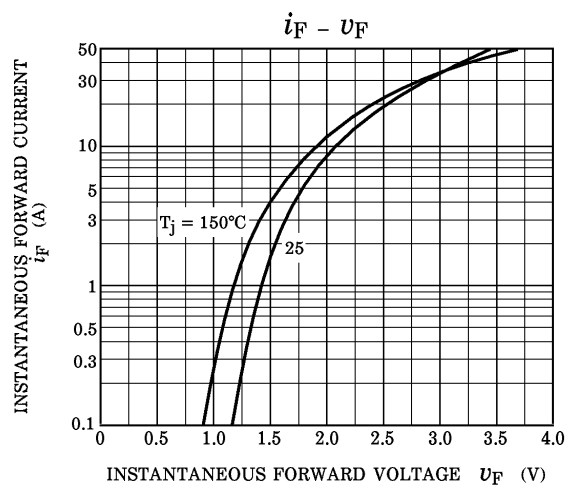
MARKING



※NUMBER	SYMBOL	MARK
※1	Toshiba Product Mark	
※2	TYPE	5VUZ52
※3	Polarity Mark	
※4	Lot Number  Month (Starting from Alphabet A) Year (Last Number of the Christian Era)	Example 6A : January 1996 6B : February 1996 6L : December 1996

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