

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

5VHZ52

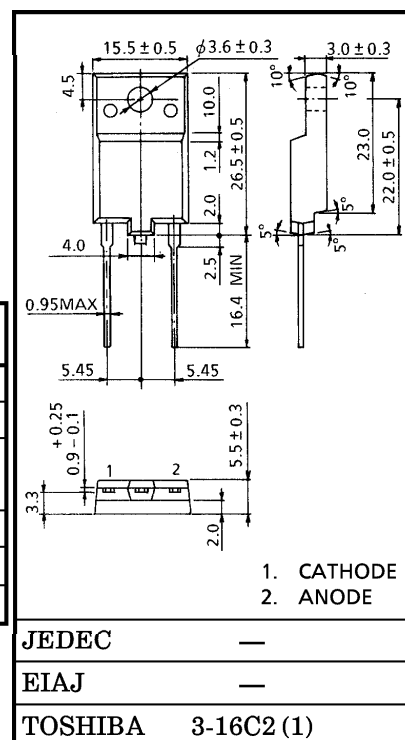
MOST SUITABLE FOR COLOR T.V. DAMPER

Unit in mm

- Repetitive Peak Reverse Voltage : $V_{RRM}=1700V$
- Average Forward Current : $I_F(AV)=5A$
- Reverse Recovery Time : $t_{rr}=1.5\mu s$
- High Reliability

MAXIMUM RATINGS ($T_a=25^\circ C$)

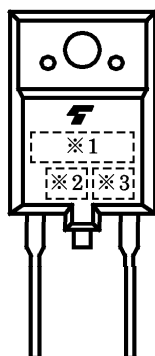
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	1700	V
Average Output Rectified Current	I_O	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	50 (50Hz) 60 (60Hz)	A
Junction Temperature	T_j	$-40\sim 150$	$^\circ C$
Storage Temperature Range	T_{stg}	$-40\sim 150$	$^\circ C$
Screq Torque	—	0.6	N·m

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

Weight : 5.5g (Typ.)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=5A$	—	—	1.5	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=1700V$	—	—	100	μA
Reverse Recovery Time	t_{rr}	$I_F=0.1A, I_{DC}=0.1A$	—	—	1.5	μs
Thermal Resistance	$R_{th(j-c)}$	DC	—	—	2.5	$^\circ C/W$

MARKING



※1	TYPE	5VHZ52
※2	Polarity Mark	— —
※3	Lot Number	□□—Month (Starting from Alphabet A) —Year (Last Number of the Christian Era)

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