

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

3TH41A

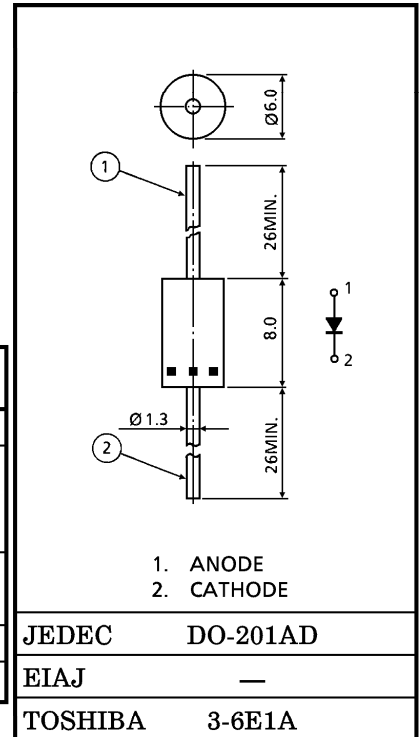
HORIZONTAL DEFLECTION OUTPUT FOR HIGH RESOLUTION DISPLAY,
COLOR TV (DAMPER-diode)

Unit in mm

- Repetitive Peak Reverse Voltage : $V_{RRM} = 1500\text{ V}$
- Average Forward Current : $I_F (AV) = 3\text{ A}$
- Reverse-Recovery Time : $t_{rr} = 1.0\ \mu\text{s (Max.)}$

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	1500	V
Average Forward Current	$I_F (AV)$	3	A
		2.5	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	30 (50 Hz) 33 (60 Hz)	A
Junction Temperature Range	T_j	-40~150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-40~150	$^\circ\text{C}$

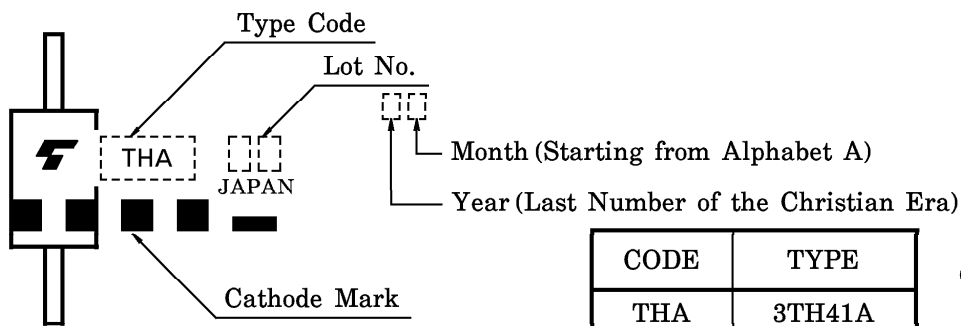


Weight : 1.18 g (Typ.)

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 3\text{ A}$	—	—	1.5	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 1500\text{ V}$	—	—	20	μA
Reverse Recovery Time	t_{rr}	$I_F = 0.1\text{ A}, I_R = 0.1\text{ A}$	—	—	1.0	μs
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	—	—	38	$^\circ\text{C/W}$

MARKING



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