

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

3BZ41, 3GZ41, 3JZ41, 3NZ41

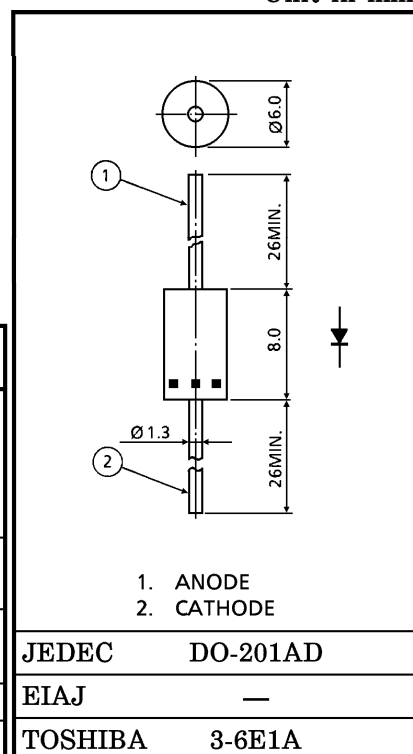
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

- Average Forward Current : $I_F (AV) = 3.0 \text{ A}$
- Repetitive Peak Reverse Voltage : $V_{RRM} = 100 \sim 1000 \text{ V}$
- Peak One Cycle Surge Forward Current (Non Repetitive)
: $I_{FSM} = 180 \text{ A (50 Hz)}$

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

CHARACTERISTIC	SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	3BZ41	100	V
	3GZ41	400	
	3JZ41	600	
	3NZ41	1000	
Average Forward Current ($T_a = 45^\circ\text{C}$)	$I_F (AV)$	3.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	180 (50 Hz) 200 (60 Hz)	A
Junction Temperature	T_j	$-40 \sim 150$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-40 \sim 150$	$^\circ\text{C}$

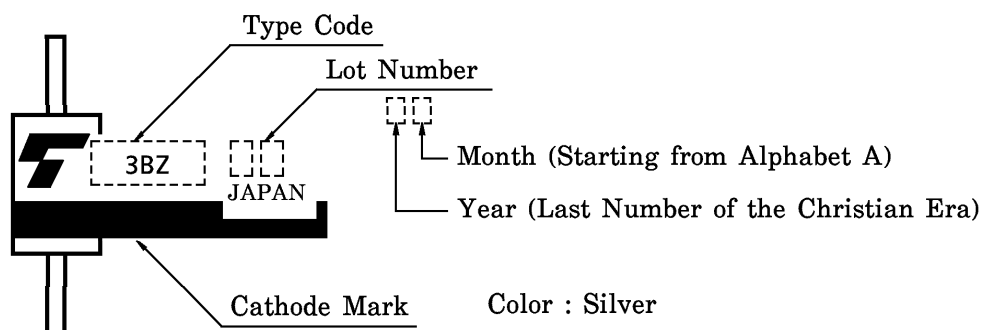


Weight : 1.18 g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 3.0 \text{ A}$	—	—	1.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	—	30	μA
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	37	$^\circ\text{C/W}$

MARKING



CODE	TYPE
3BZ	3BZ41
3GZ	3GZ41
3JZ	3JZ41
3NZ	3NZ41

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