

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

# 3BZ41, 3GZ41, 3JZ41, 3NZ41

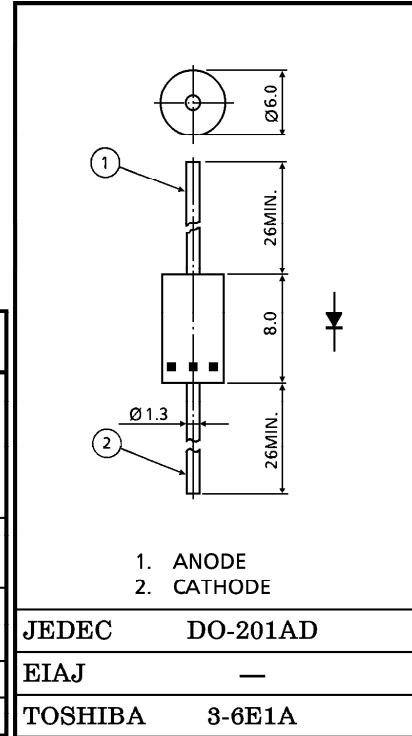
GENERAL PURPOSE RECTIFIER APPLICATIONS.

Unit in mm

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

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

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

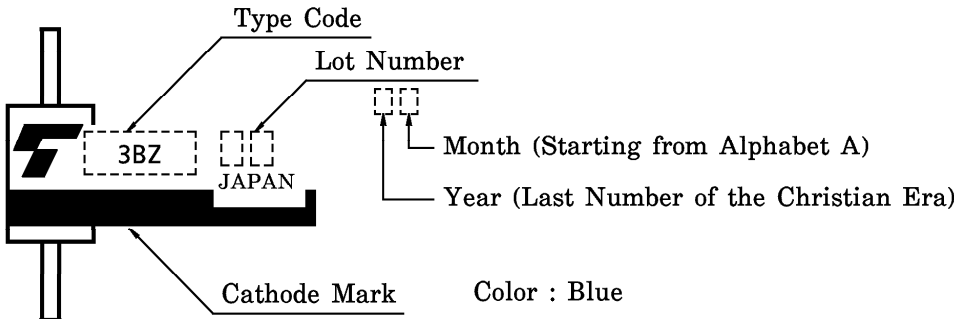


Weight : 1.18g

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

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

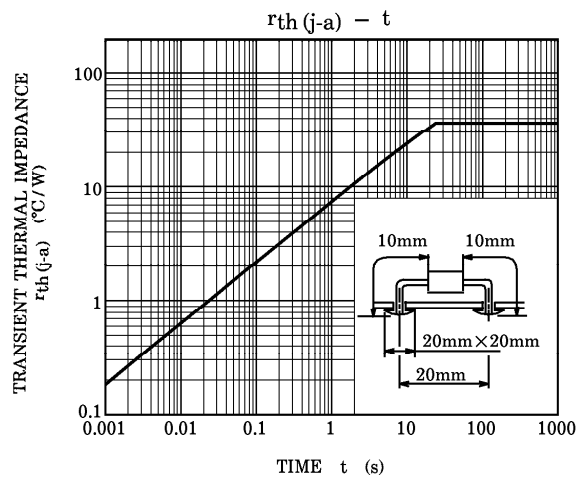
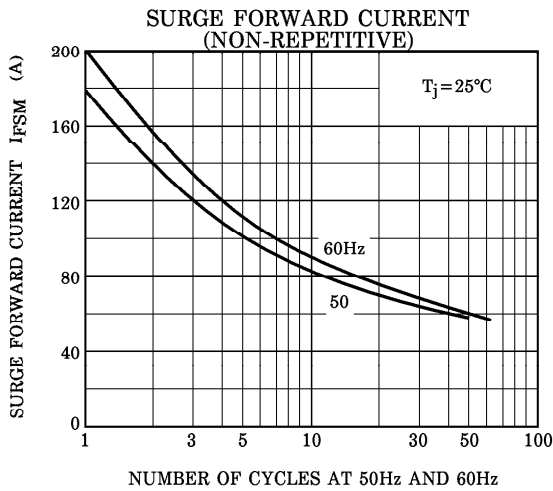
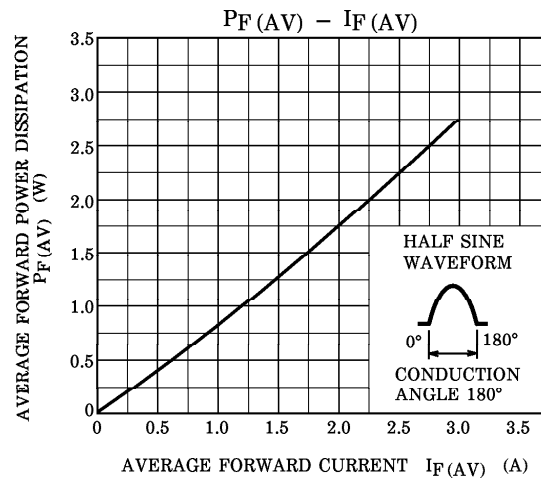
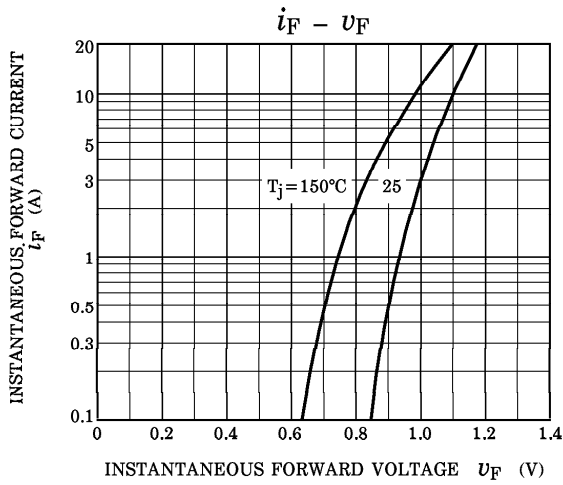
**MARK**



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

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