

TOSHIBA

3BZ41,3GZ41,3JZ41,3NZ41

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

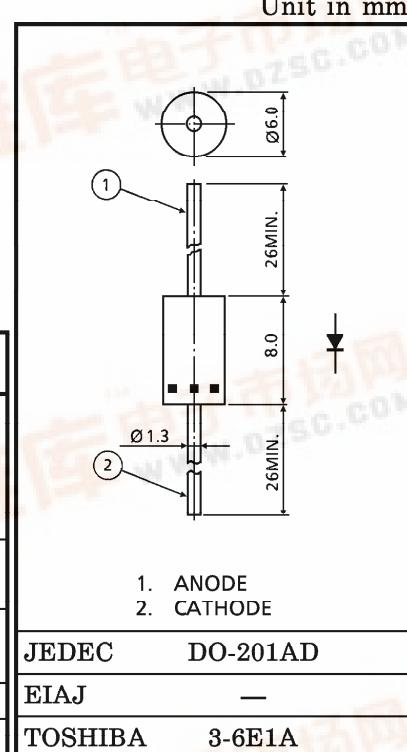
3BZ41, 3GZ41, 3JZ41, 3NZ41

GENERAL PURPOSE RECTIFIER APPLICATIONS.

- 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 (Ta = 25°C)

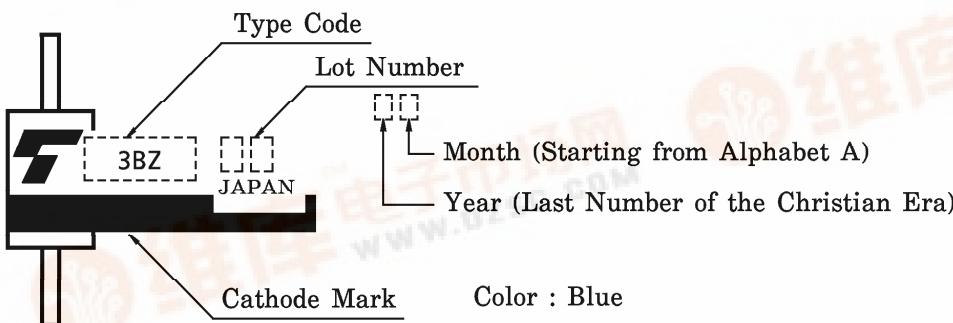
CHARACTERISTIC	SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	V _{RRM}	100	V
		400	
		600	
		1000	
Average Forward Current (Ta = 45°C)	$I_F(AV)$	3.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	180 (50Hz)	A
		200 (60Hz)	
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C



Weight : 1.18g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

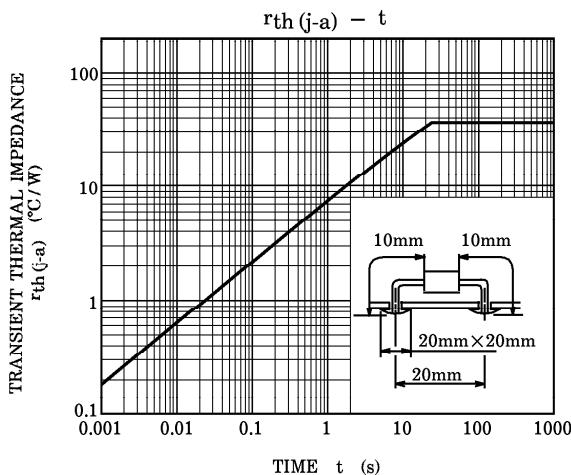
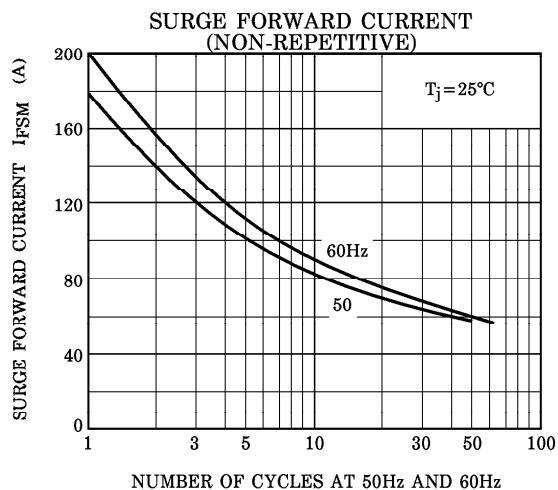
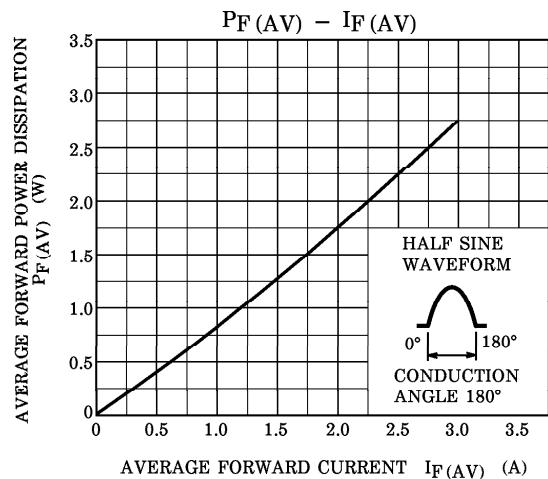
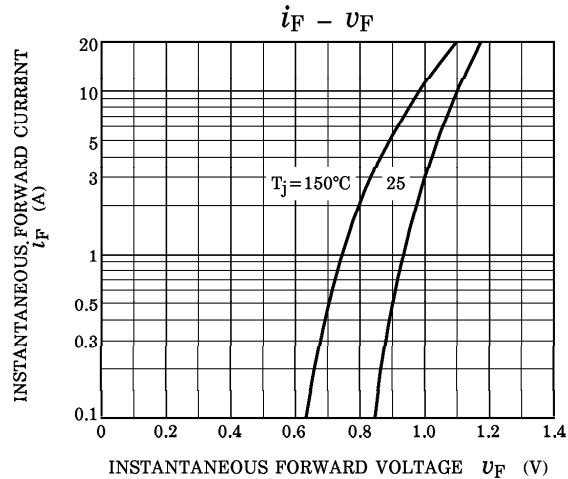
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 3.0A$	—	—	1.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	—	30	μA
Thermal Resistance (Junction to Ambient)	$R_{th}(j-a)$	DC	—	—	37	°C / W

MARK

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

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