

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

3BZ41, 3GZ41, 3JZ41, 3NZ41

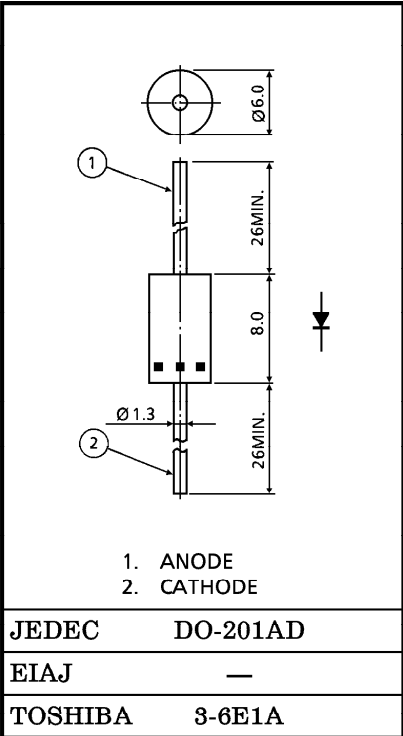
GENERAL PURPOSE RECTIFIER APPLICATIONS.

Unit in mm

- Average Forward Current : $I_F(AV)=3.0A$
- Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim1000V$
- Peak One Cycle Surge Forward Current (Non Repetitive) : $I_{FSM}=180A$ (50Hz)

MAXIMUM RATINGS (Ta = 25°C)

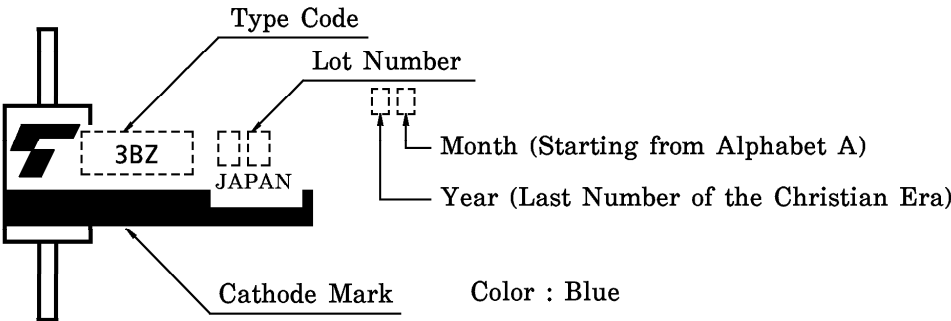
CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	3BZ41	V_{RRM}	100	V
	3GZ41		400	
	3JZ41		600	
	3NZ41		1000	
Average Forward Current (Ta = 45°C)		$I_F(AV)$	3.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	180 (50Hz)	A
			200 (60Hz)	
Junction Temperature		T_j	-40~150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



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

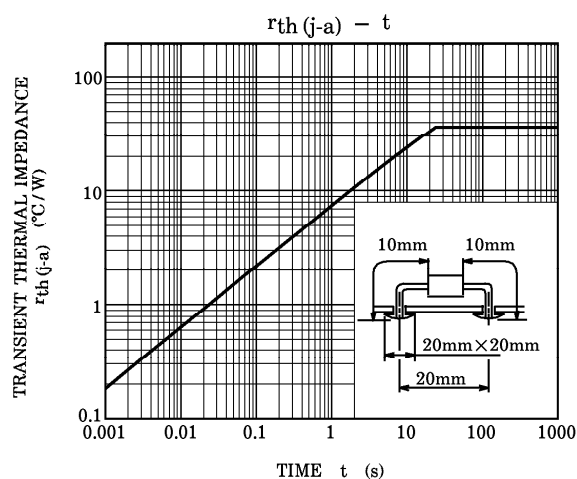
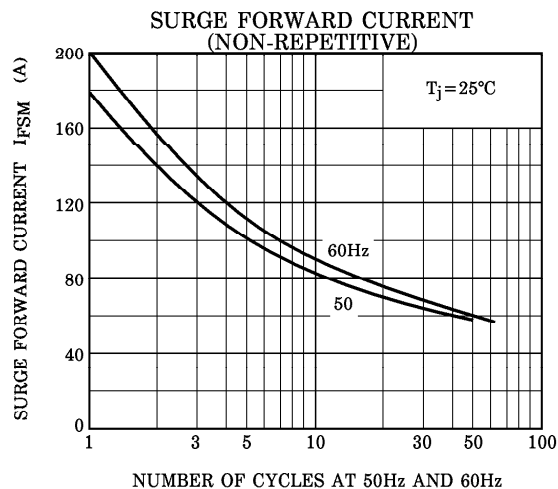
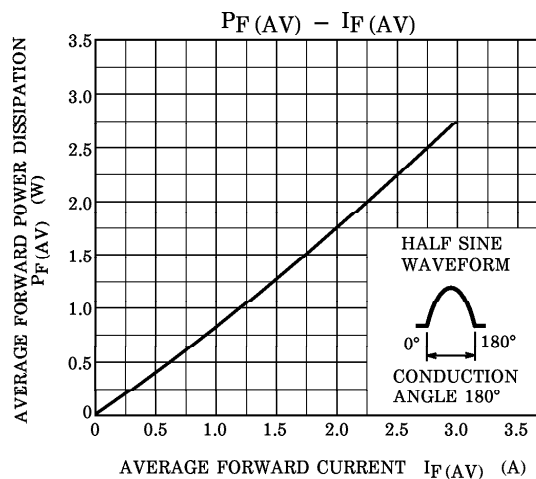
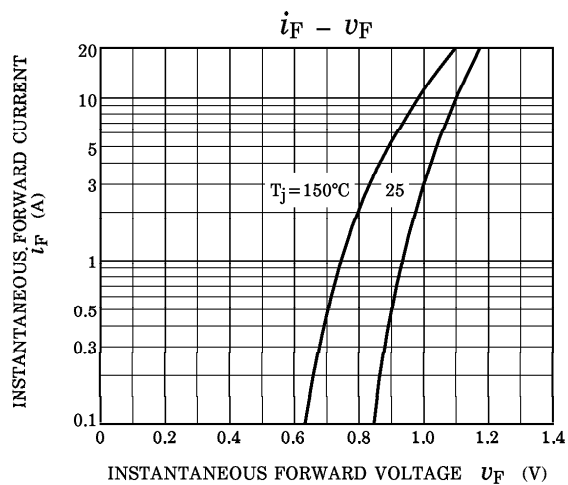
MARK



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

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