

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1R5BZ41, 1R5GZ41

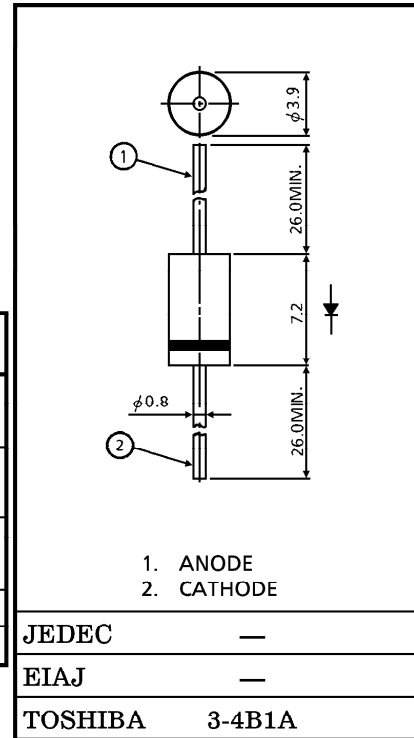
GENERAL PURPOSE RECTIFIER APPLICATIONS.

Unit in mm

- Average Forward Current : $I_F(AV)=1.5A$
- Repetitive Peak Reverse Voltage : $V_{RRM}=100, 400V$
- Peak One Cycle Surge Forward Current (Non Repetitive) : $I_{FSM}=150A$

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	1R5BZ41	100	V
	1R5GZ41	400	
Average Forward Current ($T_a = 35^\circ C$)	$I_F(AV)$	1.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	150 (50Hz)	A
		165 (60Hz)	
Junction Temperature	T_j	-40~150	$^\circ C$
Storage Temperature Range	T_{stg}	-40~150	$^\circ C$

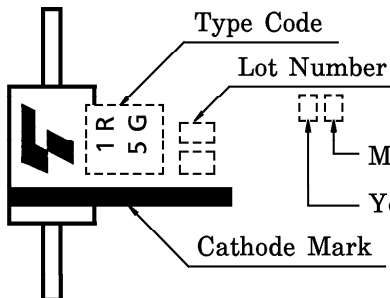


ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

Weight : 0.47g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=0.5A$	—	—	0.95	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=\text{Rated}$	—	—	10	μA
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	90	$^\circ C/W$

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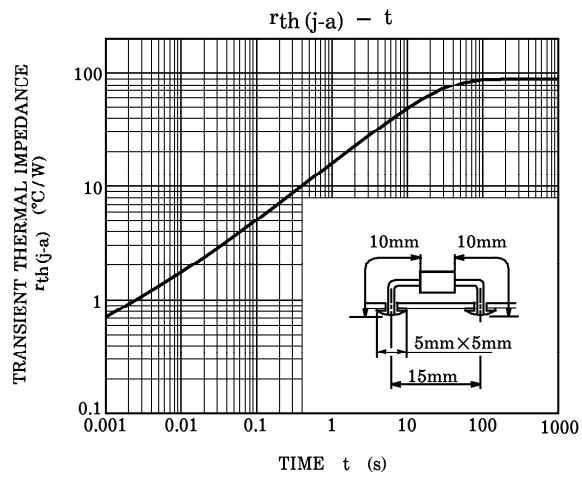
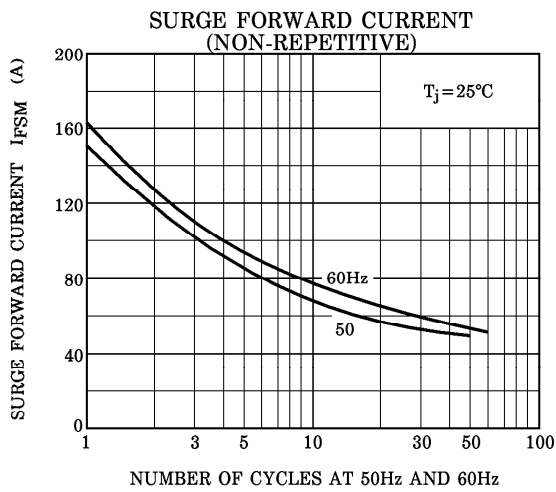
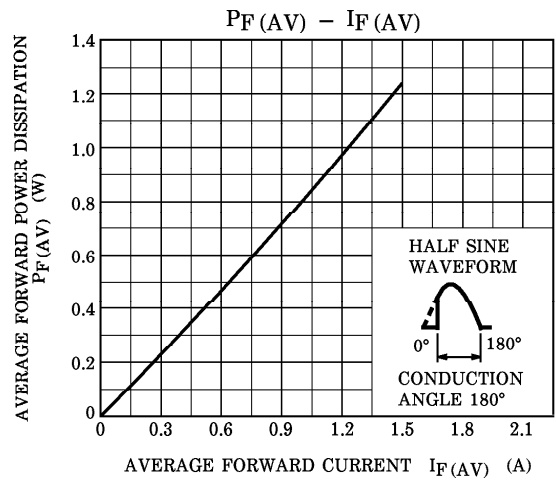
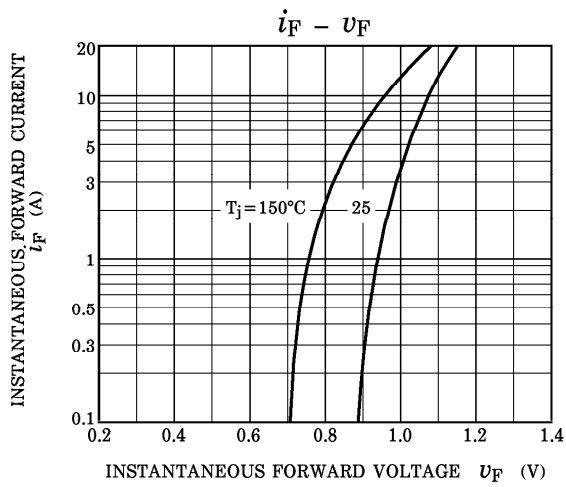


CODE	TYPE
1R5B	1R5BZ41
1R5G	1R5GZ41

Color : Blue

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