

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1R5BZ41, 1R5GZ41

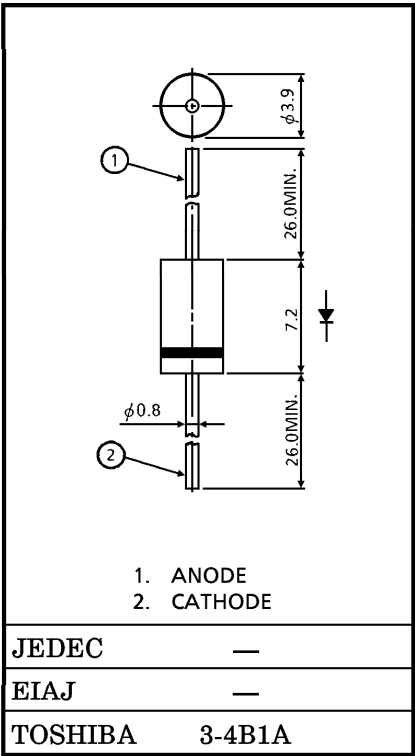
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

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

MAXIMUM RATINGS (Ta = 25°C)

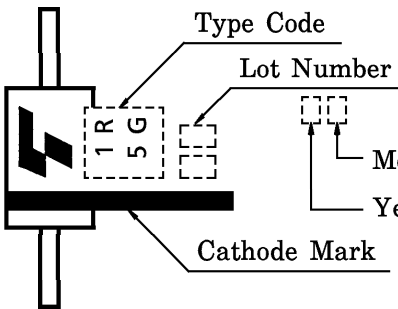
CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	1R5BZ41	V_{RRM}	100	V
	1R5GZ41		400	
Average Forward Current (Ta = 35°C)		$I_F (AV)$	1.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	150 (50 Hz)	A
			165 (60 Hz)	
Junction Temperature		T_j	-40~150	°C
Storage Temperature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



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 0.5\text{ A}$	—	—	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	°C / W

MARKING



Month (Starting from Alphabet A)
Year (Last Number of the Christian Era)

Color : Silver

CODE	TYPE
1R5B	1R5BZ41
1R5G	1R5GZ41

961001EAA2

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