

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1R5JZ41, 1R5NZ41

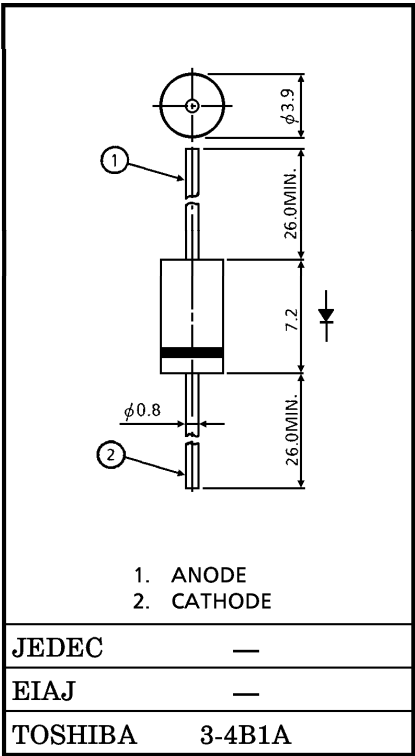
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

- Average Forward Current :  $I_F(AV) = 1.5\text{ A}$
- Repetitive Peak Reverse Voltage :  $V_{RRM} = 600, 1000\text{ V}$
- Peak One Cycle Surge Forward Current (Non Repetitive) :  $I_{FSM} = 100\text{ A}$
- Plastic Mold Type.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	1R5JZ41	V <sub>RRM</sub>	600	V
	1R5NZ41		1000	
Average Forward Current (Ta = 35°C)		I <sub>F</sub> (AV)	1.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I <sub>FSM</sub>	100 (50 Hz)	A
			110 (60 Hz)	
Junction Temperature		T <sub>j</sub>	−40~150	°C
Storage Temperature Range		T <sub>stg</sub>	−40~150	°C

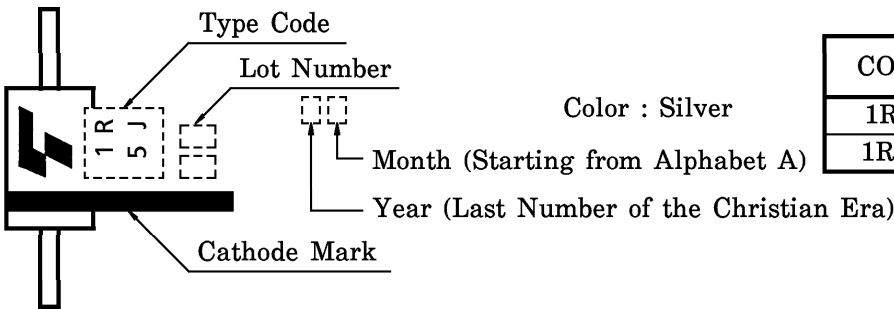


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 0.47 g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 1.5\text{ A}$	—	—	1.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = \text{Rated}$	—	—	10	$\mu\text{A}$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	90	°C / W

MARKING



CODE	TYPE
1R5J	1R5JZ41
1R5N	1R5NZ41

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