

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1R5JZ41, 1R5NZ41

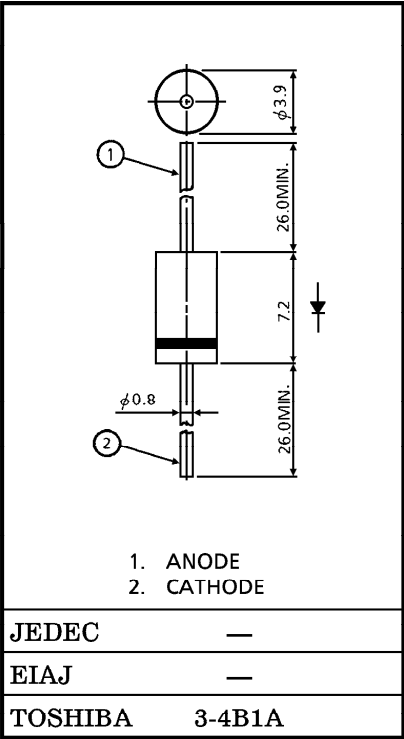
GENERAL PURPOSE RECTIFIER APPLICATIONS.

Unit in mm

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

MAXIMUM RATINGS (Ta = 25°C)

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

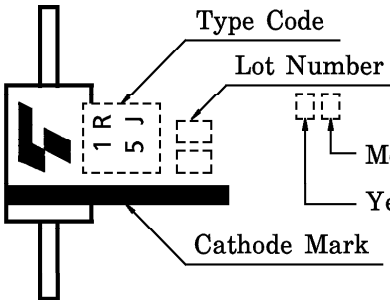


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 0.47g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=1.5A$	—	—	1.0	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



Color : Blue

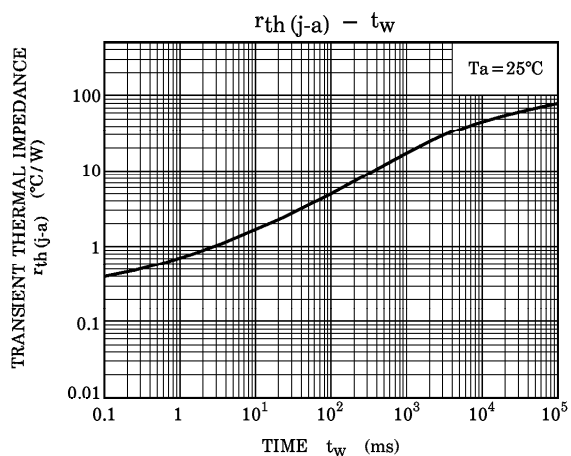
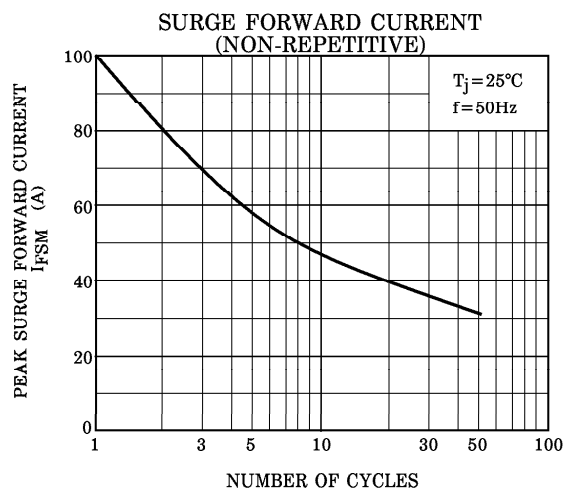
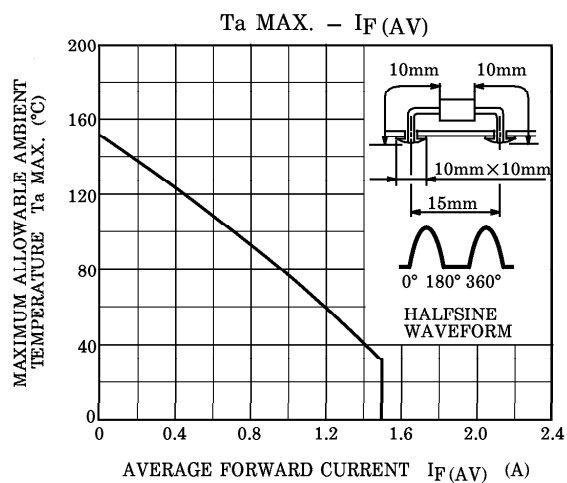
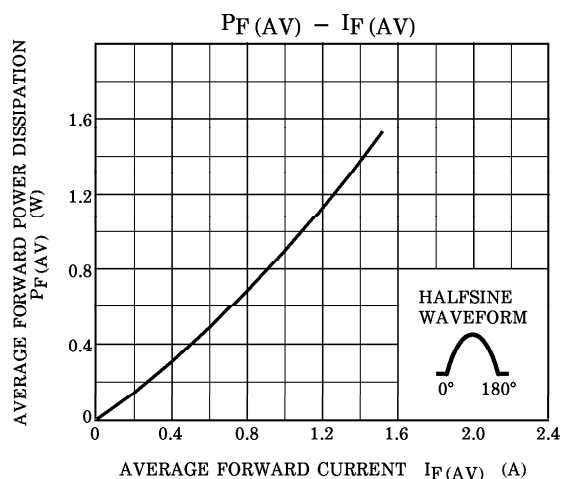
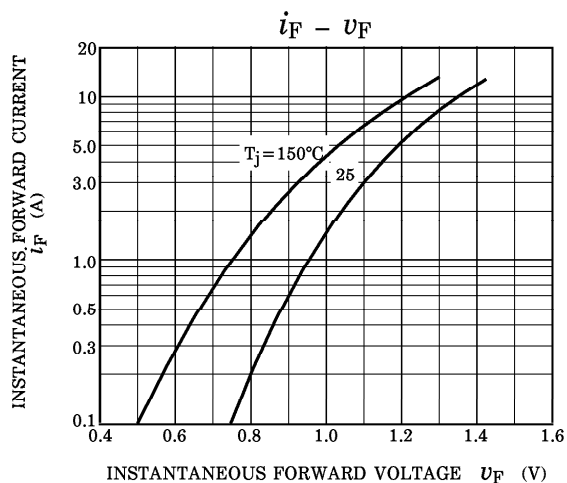
Month (Starting from Alphabet A)

Year (Last Number of the Christian Era)

CODE	TYPE
1R5J	1R5JZ41
1R5N	1R5NZ41

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