

TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

S5295B, S5295G, S5295J

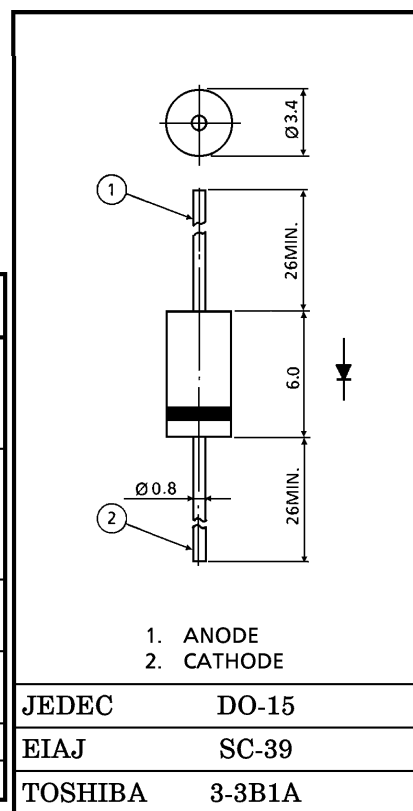
HIGH SPEED RECTIFIER APPLICATIONS. (FAST RECOVERY)

Unit in mm

- Average Forward Current : $I_F (AV) = 0.5 \text{ A}$ ($T_a = 50^\circ\text{C}$)
- Repetitive Peak Reverse Voltage : $V_{RRM} = 100 \sim 600 \text{ V}$
- Reverse Recovery Time : $1.5 \mu\text{s}$

MAXIMUM RATING

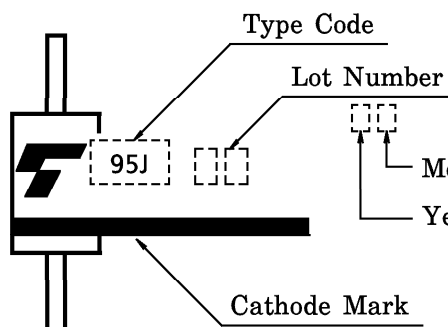
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	S5295B	100	V
	S5295G	400	
	S5295J	600	
Reverse Voltage (DC)	S5295B	75	V
	S5295G	300	
	S5295J	500	
Average Forward Current ($T_a = 50^\circ\text{C}$)	$I_F (AV)$	0.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	30 (50 Hz)	A
Junction Temperature	T_j	$-40 \sim 125$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-40 \sim 125$	$^\circ\text{C}$

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

Weight : 0.42 g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.0 \text{ A}$	—	1.5	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	10	μA
Reverse Recovery Time	t_{rr}	$I_F = 20 \text{ mA}$, $I_R = 1 \text{ mA}$	—	1.5	μs
Forward Recovery Voltage	V_{fr}	$I_F = 100 \text{ mA}$, $t_r = 100 \text{ ns}$, $t_w = 5 \mu\text{s}$	—	10	V

MARKING



Color : Silver

Month (Starting from Alphabet A)

Year (Last Number of the Christian Era)

CODE	TYPE
95B	S5295B
95G	S5295G
95J	S5295J

961001EAA2

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