TOSHIBA Fast Recovery Diode Silicon Diffused Type

S5295B, S5295G, S5295J

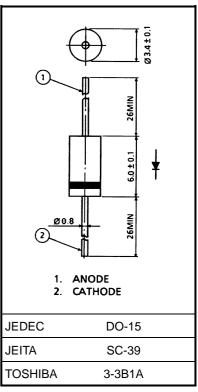
High Speed Rectifier Applications (fast recovery)

• Average Forward Current: $I_F (AV) = 0.5 \text{ A} (Ta = 50^{\circ}\text{C})$

- Repetitive Peak Reverse Voltage: $V_{RRM} = 100, 400, 600 V$
- Reverse Recovery Time: 1.5 μs
- Plastic Mold Type.

Maximum Ratings

Characteristics		Symbol	Rating	Unit	
	S5295B		100		
Repetitive peak reverse voltage	S5295G	V _{RRM}	400	V	
	S5295J		600		
Reverse voltage (DC)	S5295B		75	V	
	S5295G	V _R	300		
	S5295J		500		
Average forward current (Ta = 50°C)		I _{F (AV)}	0.5	А	
Peak one cycle surge forward current (non repetitive)		I _{FSM}	30 (50 Hz)	A	
			33 (60 Hz)		
Junction temparature		Тj	-40 to 125	°C	
Storage temparature range		T _{stg}	-40 to 125	°C	



Weight: 0.42 g (typ.)

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V _{FM}	I _{FM} = 1.0 A	_	_	1.5	V
Repetitive peak reverse current	I _{RRM}	V _{RRM} = 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}	$I_F=100~mA,~t_r=100~ns,~t_w=5~\mu s$			10	V

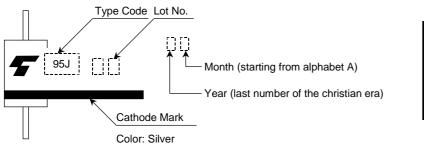
Note1: Soldering: 5 mm is the minimum to be kept between case and soldering part.

Note2: Lead bending: 5 mm is the minimum to be kept from the case when bend the lead wire.

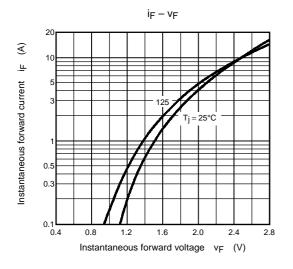
Unit: mm

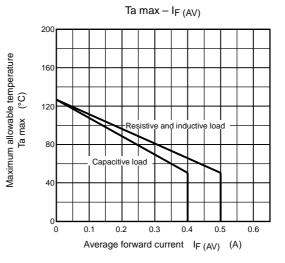
TOSHIBA

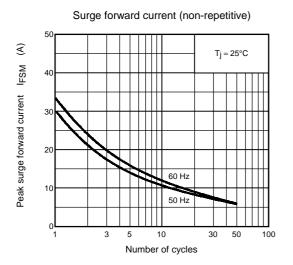
Marking



Code	Туре	
95B	S5295B	
95G	S5295G	
95J	S5295J	







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Handbook" etc.,

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