TOSHIBA FAST RECOVERY DIODE SILICON DIFFUSED TYPE

S5295B, S5295G, S5295J

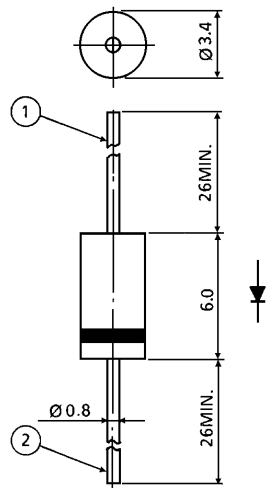
HIGH SPEED RECTIFIER APPLICATIONS. (FAST RECOVERY)

Unit in mm

- Average Forward Current : $I_{F(AV)}$ = 0.5 A (Ta = 50°C)
- Repetitive Peak Reverse Voltage : V_{RRM} = 100~600 V
- Reverse Recovery Time : 1.5 μs

MAXIMUM RATING

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	S5295B	V_{RRM}	100	V
	S5295G		400	
	S5295J		600	
Reverse Voltage (DC)	S5295B	V_R	75	V
	S5295G		300	
	S5295J		500	
Average Forward Current (Ta = 50°C)		$I_{F(AV)}$	0.5	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	30 (50 Hz)	A
Junction Temparature		T_j	−40~125	°C
Storage Temparature Range		T_{stg}	−40~125	°C



1. ANODE
2. CATHODE

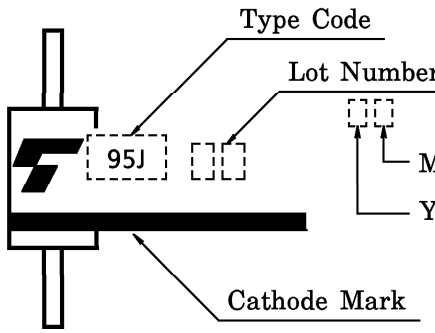
JEDEC	DO-15
EIAJ	SC-39
TOSHIBA	3-3B1A

Weight : 0.42 g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	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 mA, I_R = 1 mA	—	1.5	μs
Forward Recovery Voltage	V_{fr}	I_F = 100 mA, t_r = 100 ns, t_w = 5 μs	—	10	V

MARKING



Color : Silver

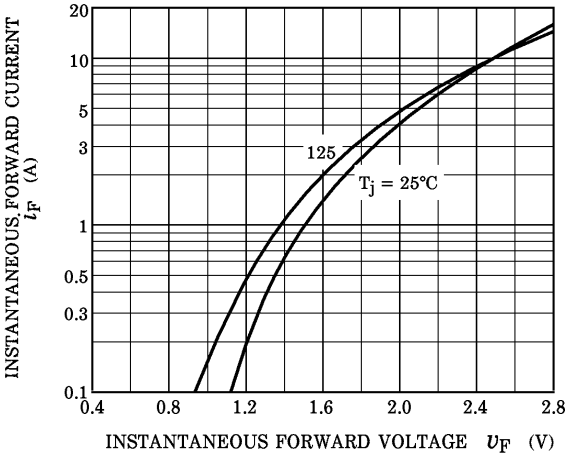
Month (Starting from Alphabet A)

Year (Last Number of the Christian Era)

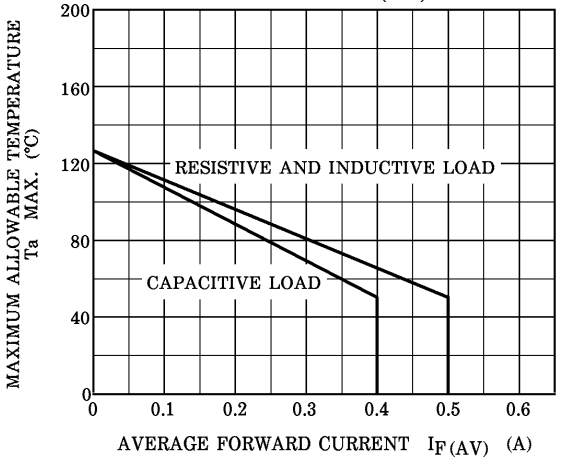
CODE	TYPE
95B	S5295B
95G	S5295G
95J	S5295J

961001EAA2

$i_F - v_F$



Ta MAX. – $I_{F(AV)}$



SURGE FORWARD CURRENT
(NON-REPETITIVE)