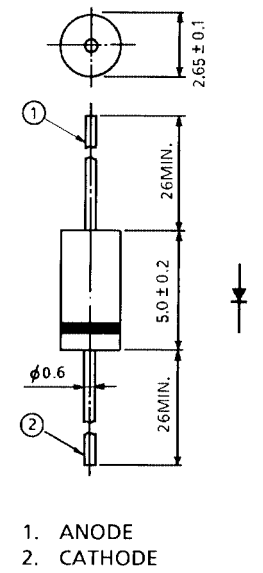
TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

S5566B,S5566G,S5566J,S5566N

GENERAL PURPOSE RECTIFIER APPLICATIONS

- Average Forward Current : $I_{F\ (AV)}$ = 1A
- Repetitive Peak Reverse Voltage : V_{RRM} = 100, 400, 600, 1000V

Unit: mm



1. ANODE
2. CATHODE

JEDEC	—
JEITA	—
TOSHIBA	3−3E1A

Weight: 0.225g

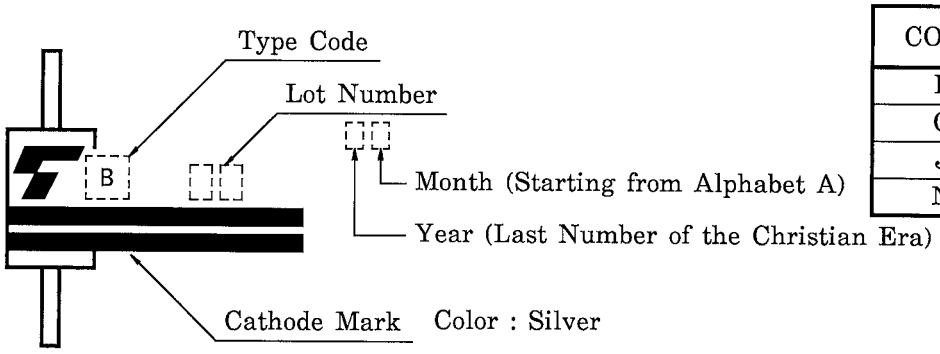
MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	S5566B	V_{RRM}	100	V
	S5566G		400	
	S5566J		600	
	S5566N		1000	
Average Forward Current		$I_{F\ (AV)}$	1.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)	S5566B S5566G	I_{FSM}	45 (50Hz)	A
			49 (60Hz)	
	S5566J S5566N		30 (50Hz)	
			33 (60Hz)	
Junction Temperature		T_j	−40~150	°C
Storage Temperature Range		T_{stg}	−40~150	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

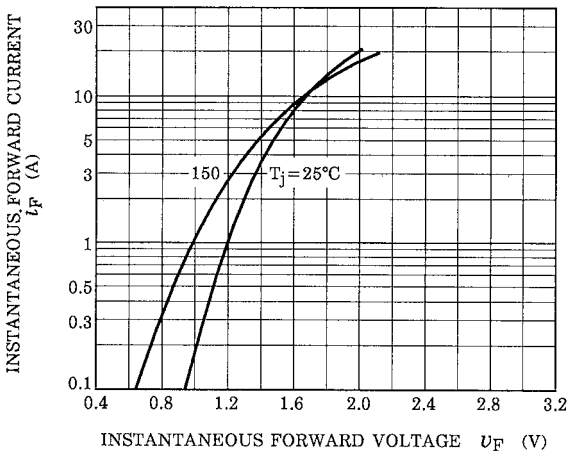
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I_{FM} = 1.0A	—	—	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	V_{RRM} = Rated	—	—	10	μA

MARKING

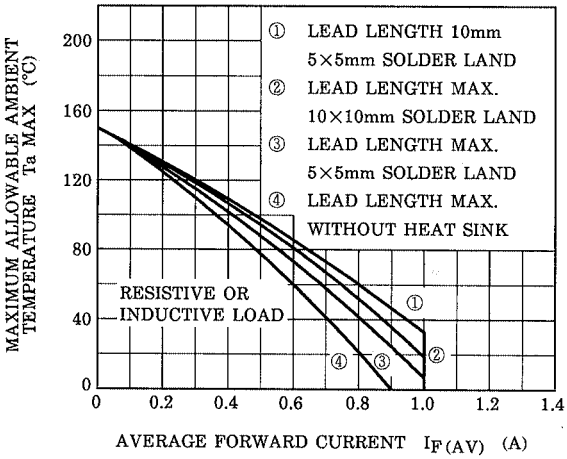


CODE	TYPE
B	S5566B
G	S5566G
J	S5566J
N	S5566N

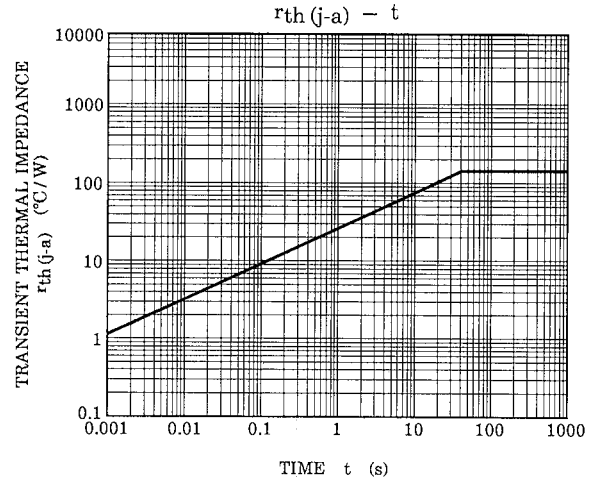
$i_F - v_F$



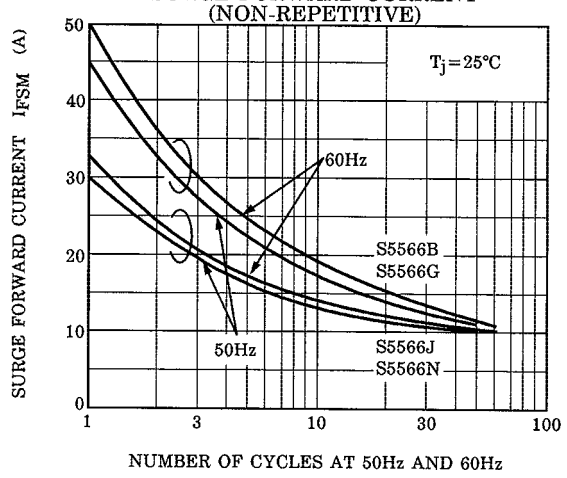
Ta MAX – $I_{F(AV)}$



$r_{th(j-a)} - t$



SURGE FORWARD CURRENT
(NON-REPETITIVE)



NOTE : r_{th} MEASUREMENT CONDITION
- MAXIMUM LEAD LENGTH MAX.
- WITHOUT HEAT SINK

RESTRICTIONS ON PRODUCT USE

000707EAA

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