

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

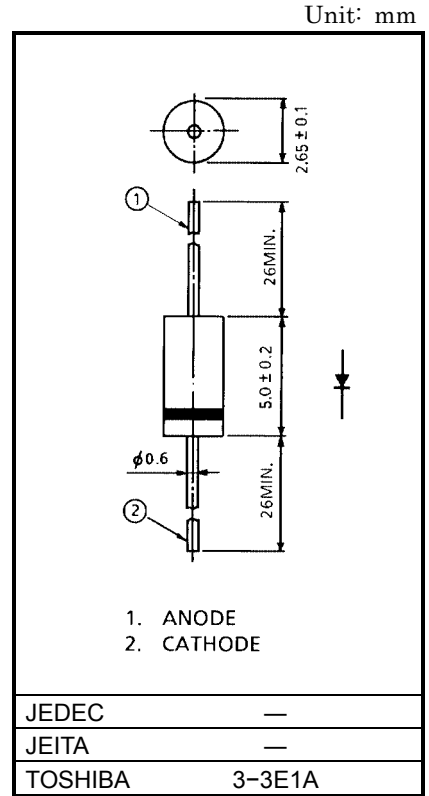
# S5566B,S5566G,S5566J,S5566N

## GENERAL PURPOSE RECTIFIER APPLICATIONS

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

## 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

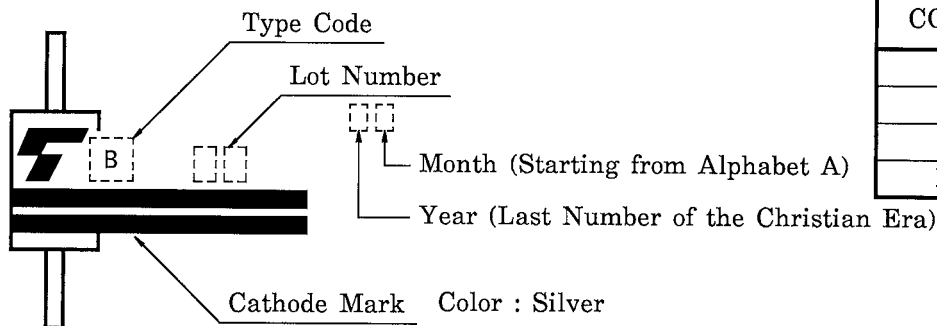


Weight: 0.225g

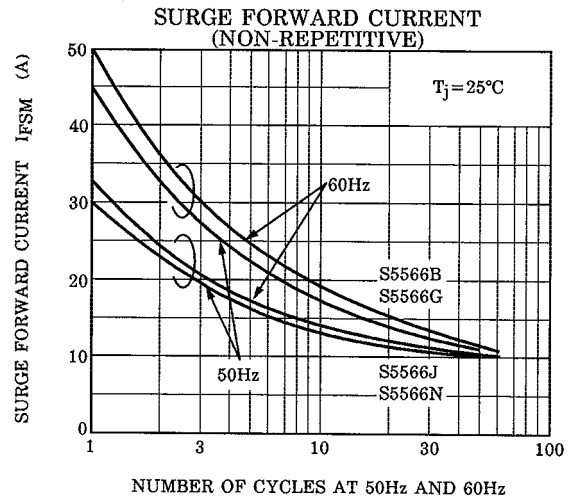
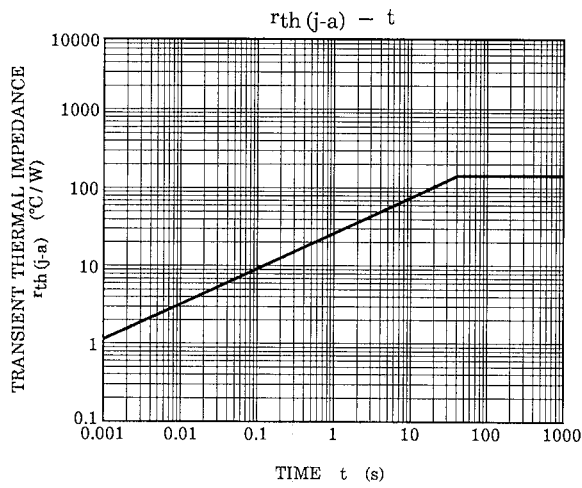
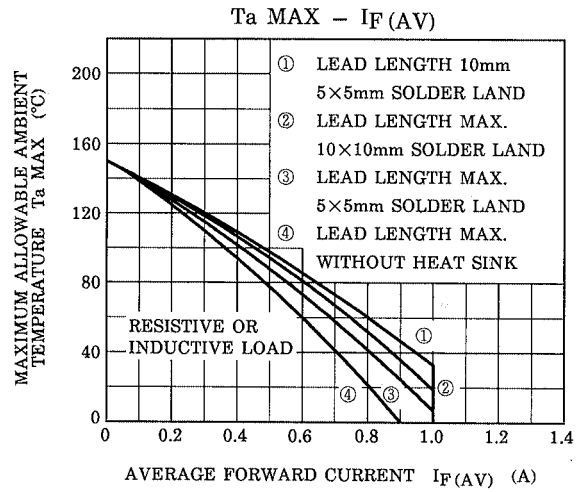
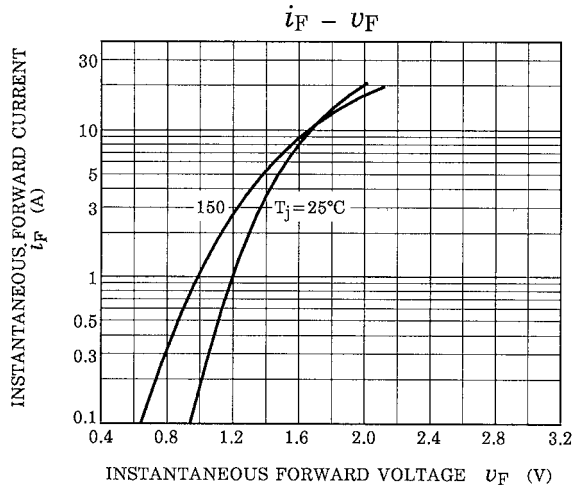
## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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

## MARKING



CODE	TYPE
B	S5566B
G	S5566G
J	S5566J
N	S5566N



NOTE :  $r_{th}$  MEASUREMENT CONDITION

- MAXIMUM LEAD LENGTH MAX.
- WITHOUT HEAT SINK

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000707EAA

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