

TOSHIBA Rectifier Silicon Diffused Type

# S5688B, S5688G, S5688J, S5688N

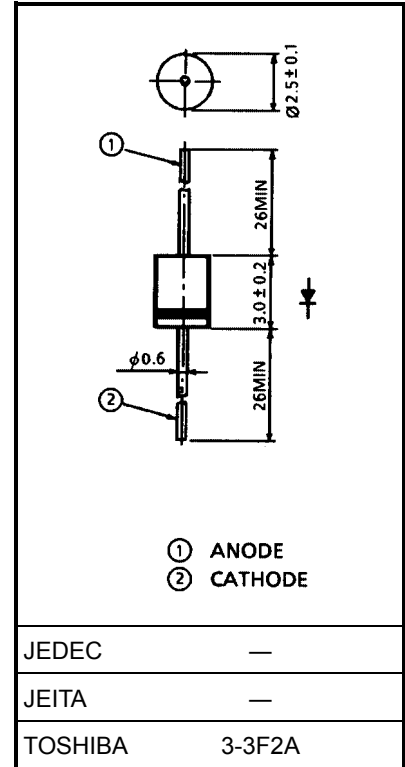
General Purpose Rectifier Application

Unit: mm

- Average forward current:  $I_F (AV) = 1.0 \text{ A}$
- Repetitive peak reverse voltage:  $V_{RRM} = 100\sim 1000 \text{ V}$

## Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Ratings	Unit
Repetitive peak reverse voltage	S5688B	100	V
	S5688G	400	
	S5688J	600	
	S5688N	1000	
Average forward current	$I_F (AV)$	1.0	A
Peak one cycle surge forward current (non repetitive)	S5688B S5688G	45 (50 Hz)	A
		49 (60 Hz)	
	S5688J S5688N	30 (50 Hz)	
		33 (60 Hz)	
Junction temperature	$T_j$	-40~150	°C
Storage temperature range	$T_{stg}$	-40~150	°C

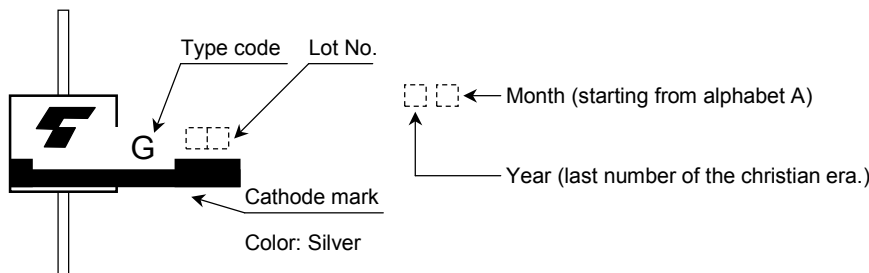


Weight: 0.18 g (typ.)

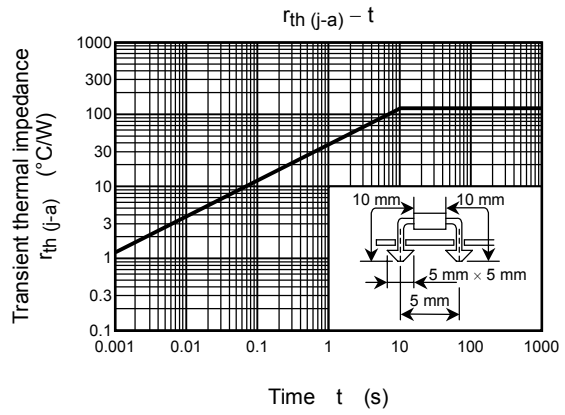
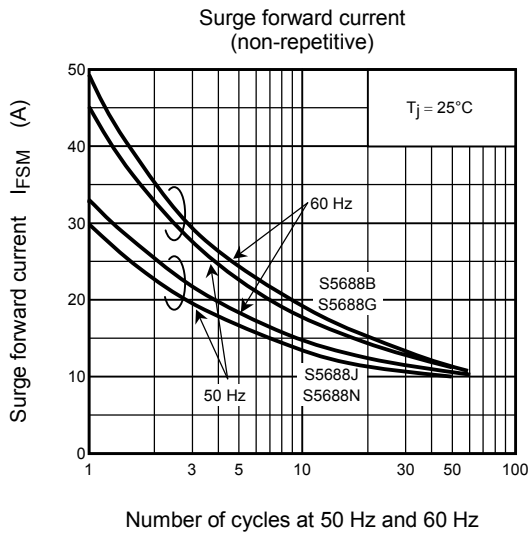
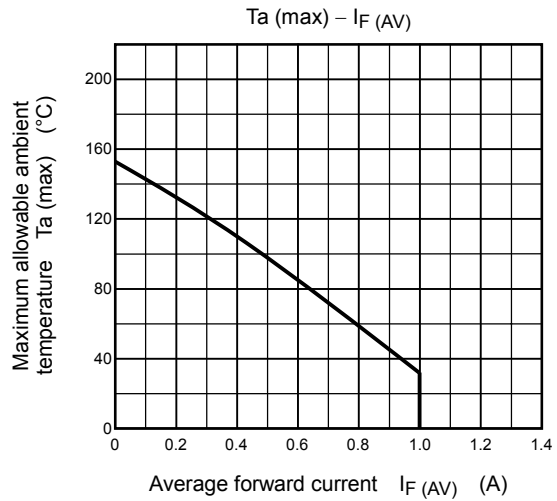
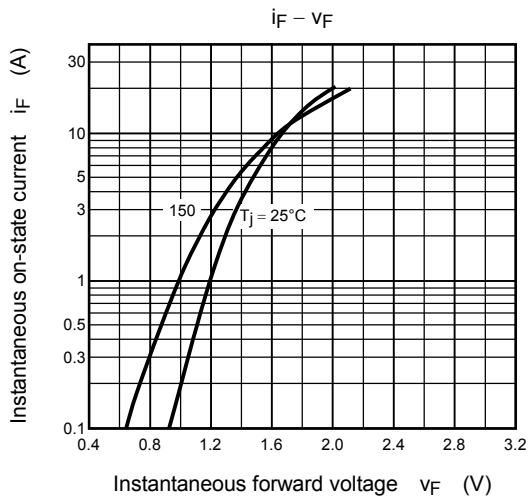
## Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test condition	Min	Typ.	Max	Unit
Peak forward voltage	$V_{FM}$	$I_{FM} = 1.0 \text{ A}$	—	—	1.2	V
Repetitive peak reverse current	$I_{RRM}$	$V_{RRM} = \text{rated}$	—	—	10	μA

## Marking



Code	Type
B	S5688B
G	S5688G
J	S5688J
N	S5688N



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000707EAA

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