TOSHIBA Rectifier Silicon Diffused Type

# S5688B, S5688G, S5688J, S5688N

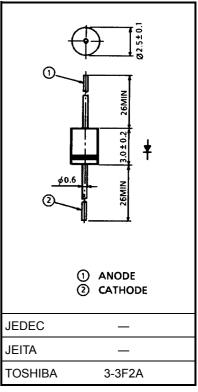
## General Purpose Rectifier Application

Unit: mm

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

## **Maximum Ratings (Ta = 25°C)**

Characteristic		Symbol	Ratings	Unit	
	S5688B		100	<b>V</b>	
Repetitive peak reverse voltage	S5688G	$V_{RRM}$	400		
	S5688J	VRRM	600		
	S5688N		1000		
Average forward current		I <sub>F (AV)</sub>	1.0	Α	
Peak one cycle surge forward current (non repetitive)	S5688B S5688G	lFSM	45 (50 Hz)	А	
			49 (60 Hz)		
	S5688J S5688N		30 (50 Hz)		
			33 (60 Hz)		
Junction temperature		Tj	−40 <b>~</b> 150	°C	
Storage temperature range		T <sub>stg</sub>	−40 <b>~</b> 150	°C	

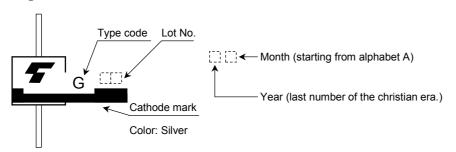


Weight: 0.18 g (typ.)

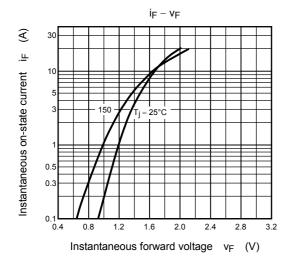
#### **Electrical Characteristics (Ta = 25°C)**

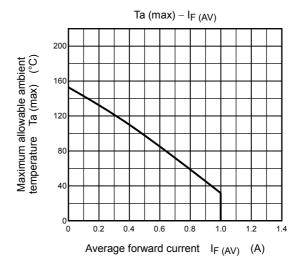
Characteristic	Symbol	Test condition	Min	Тур.	Max	Unit
Peak forward voltage	$V_{FM}$	I <sub>FM</sub> = 1.0 A	_	_	1.2	V
Repetitive peak reverse current	I <sub>RRM</sub>	V <sub>RRM</sub> = rated		_	10	μΑ

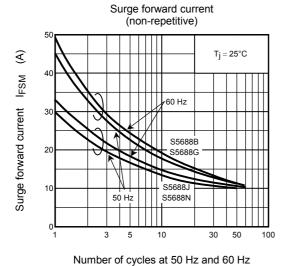
### Marking

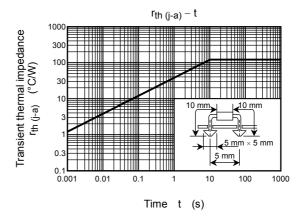


Code	Туре
В	S5688B
G	S5688G
J	S5688J
N	S5688N









#### **RESTRICTIONS ON PRODUCT USE**

Handbook" etc..

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