

TOSHIBA Rectifier Silicon Diffused Type

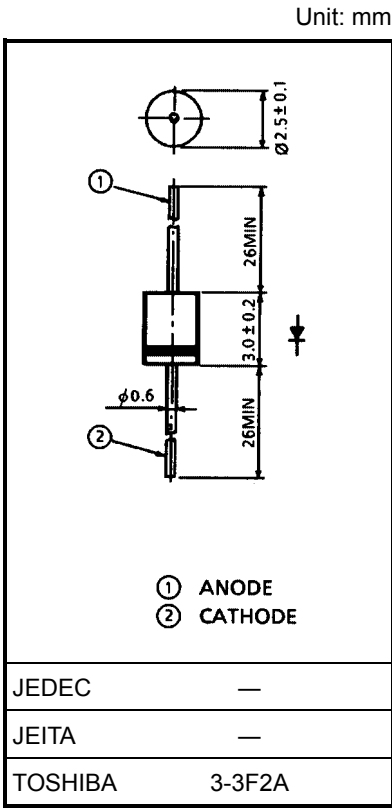
S5688B, S5688G, S5688J, S5688N

General Purpose Rectifier Application

- 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	V_{RRM}	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	I_{FSM}	45 (50 Hz)	A
	S5688G		49 (60 Hz)	
	S5688J		30 (50 Hz)	
	S5688N		33 (60 Hz)	
Junction temperature		T_j	-40~150	°C
Storage temperature range		T_{stg}	-40~150	°C

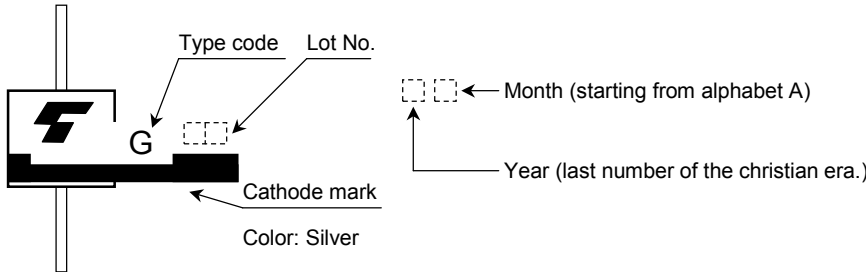


Weight: 0.18 g (typ.)

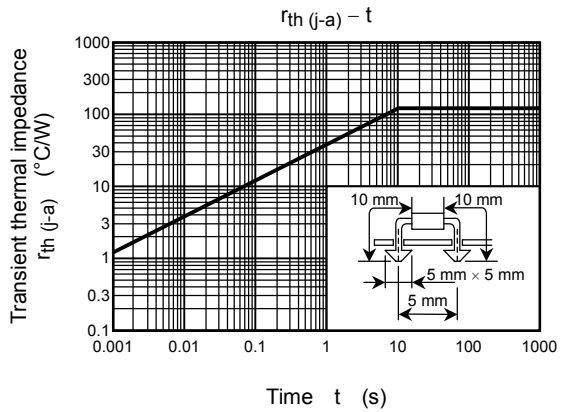
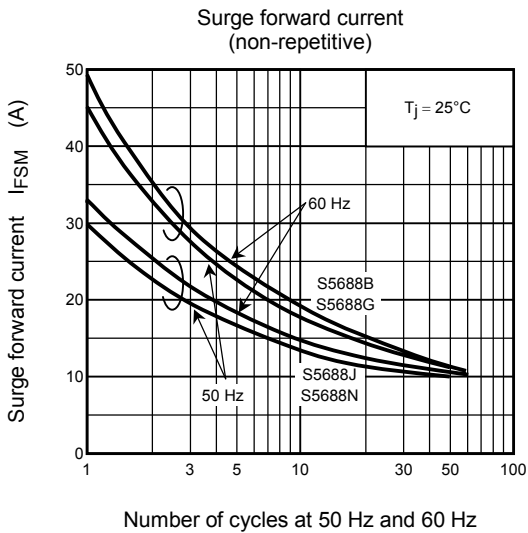
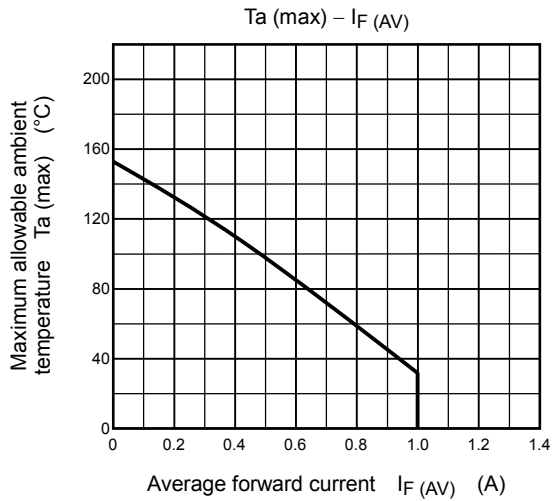
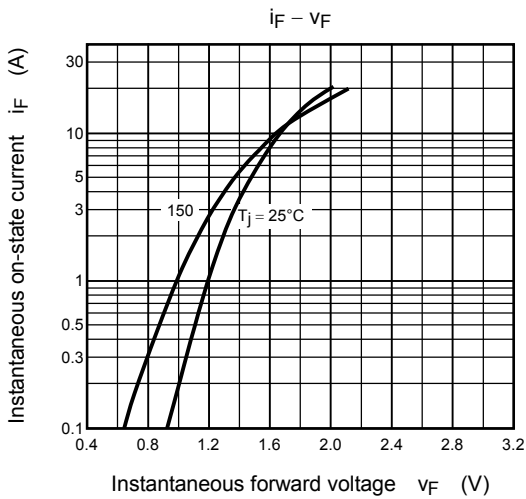
Electrical Characteristics (Ta = 25°C)

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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