

TOSHIBA Rectifier Silicon Diffused Type

S5688B, S5688G, S5688J, S5688N

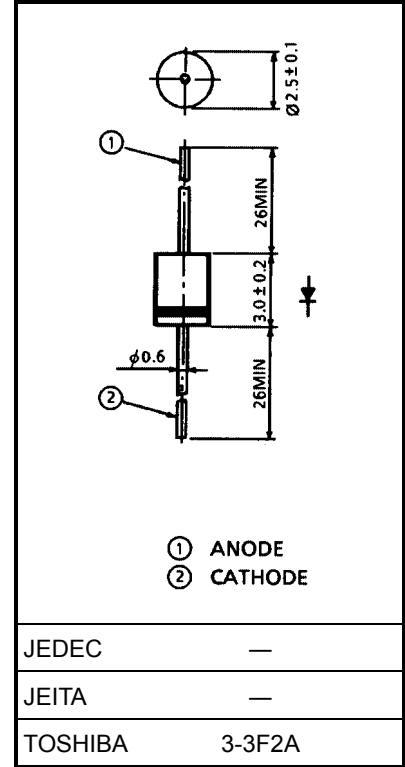
General Purpose Rectifier Application

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	V_{RRM}	100	V
		400	
		600	
		1000	
Average forward current	$I_F (AV)$	1.0	A
Peak one cycle surge forward current (non repetitive)	I_{FSM}	45 (50 Hz)	A
		49 (60 Hz)	
		30 (50 Hz)	
		33 (60 Hz)	
Junction temperature	T_j	-40~150	°C
Storage temperature range	T_{stg}	-40~150	°C

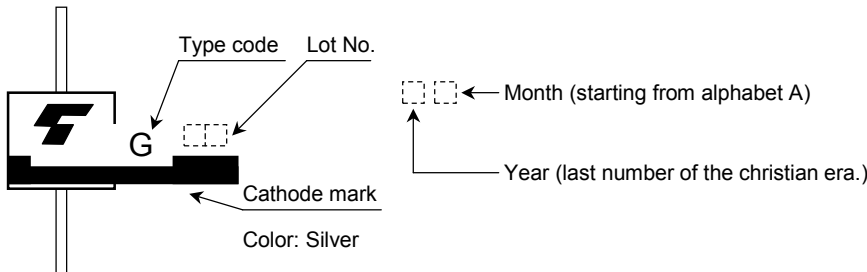


Weight: 0.18 g (typ.)

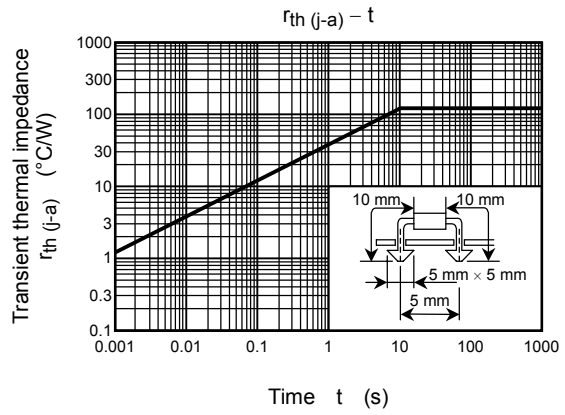
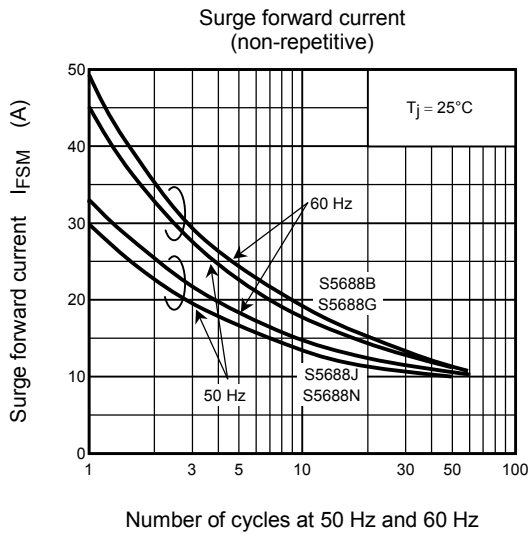
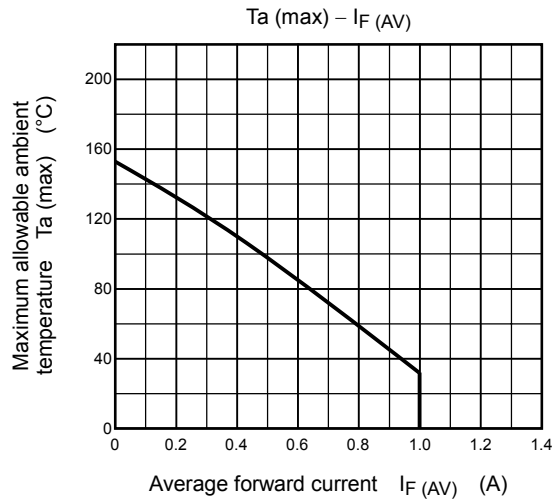
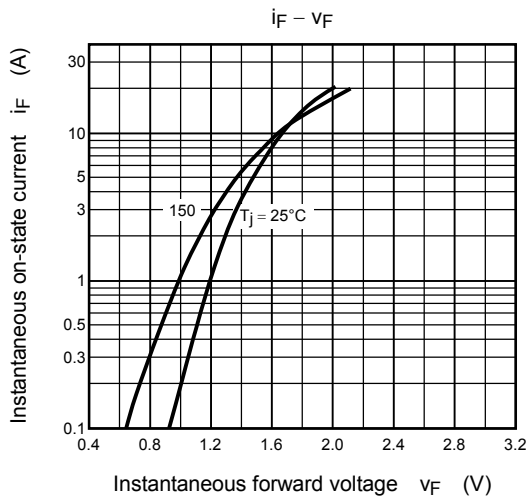
Electrical Characteristics (Ta = 25°C)

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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