TOSHIBA Rectifier Silicon Diffused Type

S5277B, S5277G, S5277J, S5277N

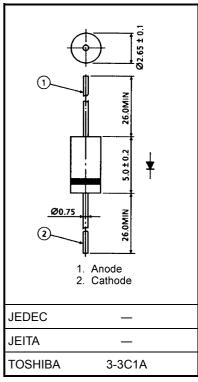
General Purposer Rectifier Applications

Unit: mm

- Average Forward Current: IF (AV) = 1.0 A
- Repetitive Peak Reverse Voltage: $V_{RRM} = 100 \sim 1000 \text{ V}$

Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit	
	S5277B		100	V	
Repetitive peak reverse voltage	S5277G	V _{RRM}	400		
	S5277J	VRRM	600		
	S5277N		1000		
Average forward current		I _{F (AV)} 1.0		Α	
Peak one cycle surge forward current (non repetitive)	S5277B		50 (50 Hz)	A	
	S5277G	1	55 (60 Hz)		
	S5277J	IFSM	30 (50 Hz)		
	S5277N		33 (60 Hz)		
Junction temparature		Tj	−40 ~ 150	°C	
Storage temparature range		T _{stg}	−40~150	°C	

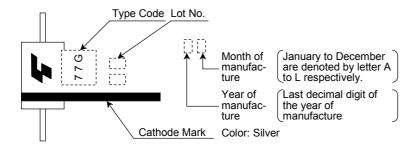


Weight: 0.3 g (typ.)

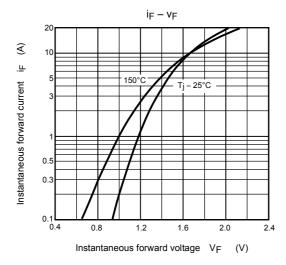
Electrical Characteristics (Ta = 25°C)

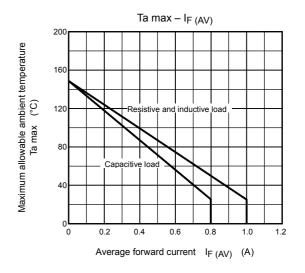
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V_{FM}	I _{FM} = 1.0 A	_	_	1.2	V
Repetitive peak reverse current	I _{RRM}	V _{RRM} = Rated	_	_	10	μΑ
Thermal resistance (junction to ambient)	R _{th (j-a)}	DC	_	_	120	°C/W

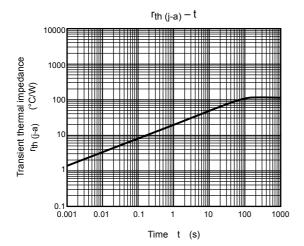
Marking

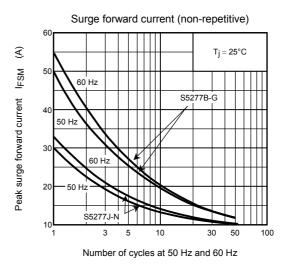


Code	Туре		
77B	S5277B		
77G	S5277G		
77J	S5277J		
77N	S5277N		









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RESTRICTIONS ON PRODUCT USE

Handbook" etc..

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