

TOSHIBA Rectifier Silicon Diffused Type

S5277B, S5277G, S5277J, S5277N

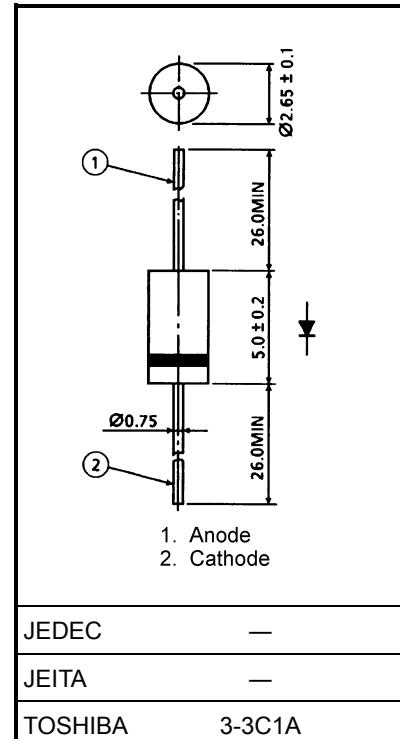
General Purpose Rectifier Applications

Unit: mm

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

Maximum Ratings ($T_a = 25^\circ\text{C}$)

Characteristics		Symbol	Rating	Unit
Repetitive peak reverse voltage	S5277B	V_{RRM}	100	V
	S5277G		400	
	S5277J		600	
	S5277N		1000	
Average forward current		$I_F (AV)$	1.0	A
Peak one cycle surge forward current (non repetitive)	S5277B	I_{FSM}	50 (50 Hz)	A
	S5277G		55 (60 Hz)	
	S5277J		30 (50 Hz)	
	S5277N		33 (60 Hz)	
Junction temperature		T_j	-40~150	$^\circ\text{C}$
Storage temperature range		T_{stg}	-40~150	$^\circ\text{C}$

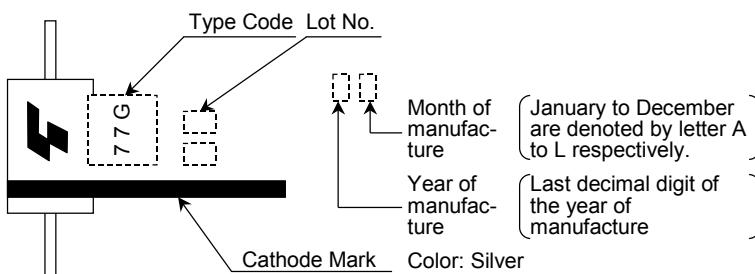


Weight: 0.3 g (typ.)

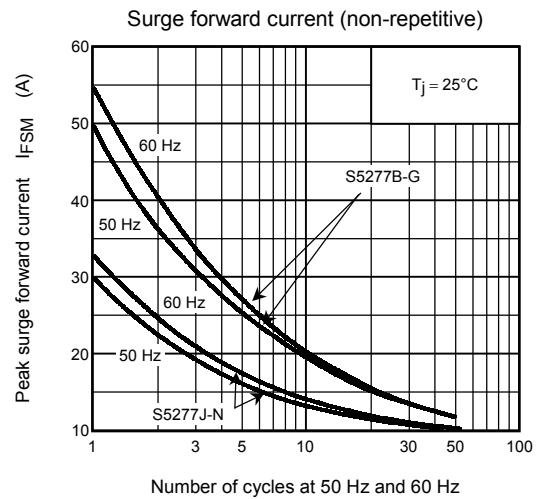
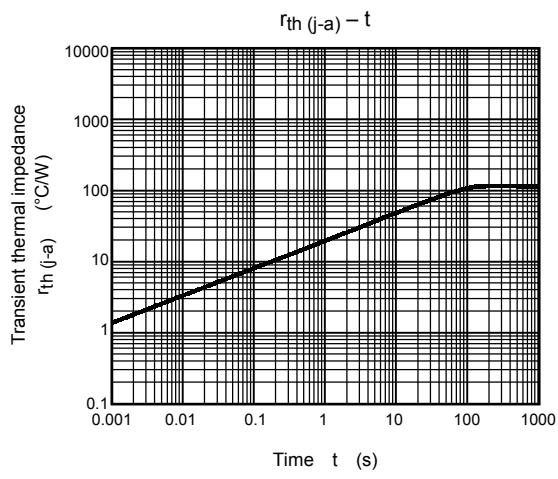
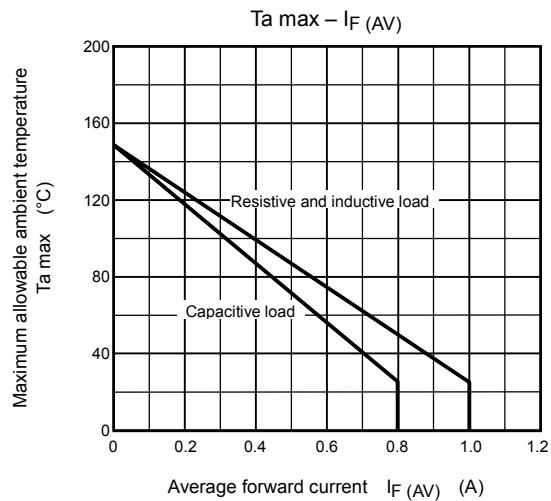
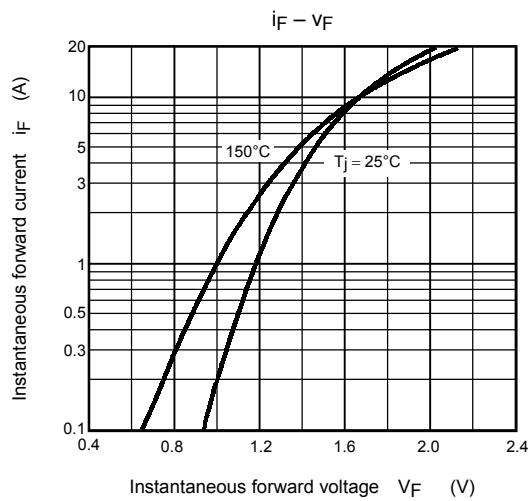
Electrical Characteristics ($T_a = 25^\circ\text{C}$)

Characteristics	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
Thermal resistance (junction to ambient)	$R_{th (j-a)}$	DC	—	—	120	$^\circ\text{C/W}$

Marking



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



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000707EAA

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