

TOSHIBA Rectifier Silicon Diffused Type

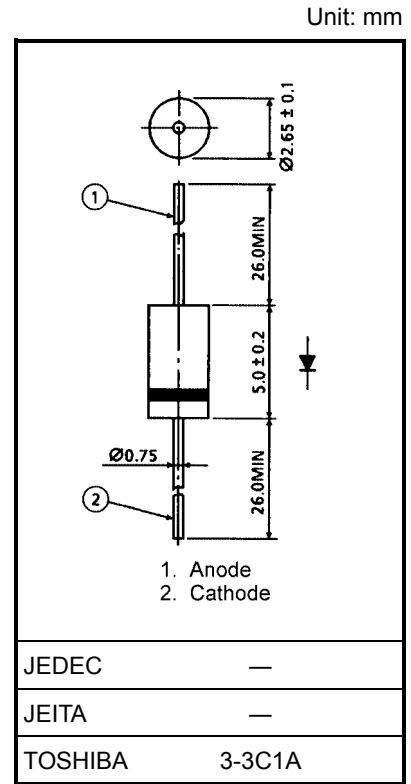
# S5277B, S5277G, S5277J, S5277N

## General Purposer Rectifier Applications

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

### 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	$^\circ\text{C}$

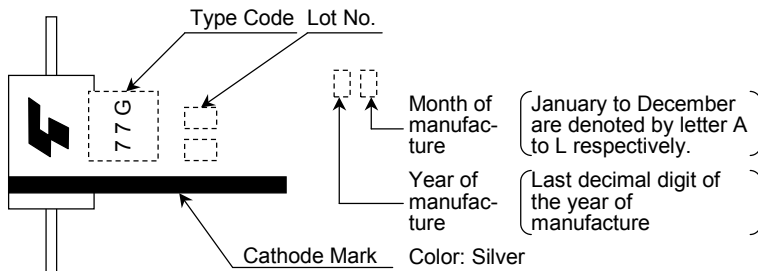


Weight: 0.3 g (typ.)

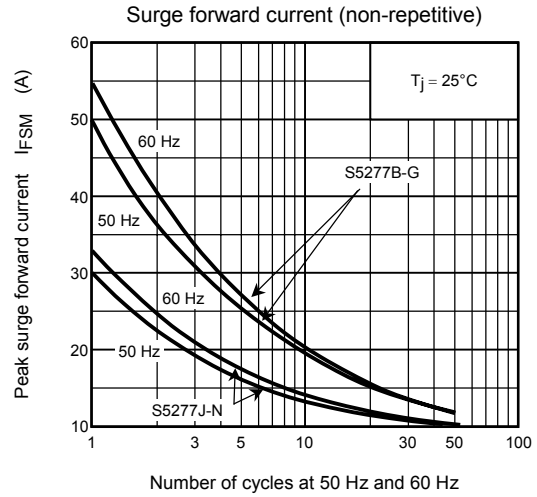
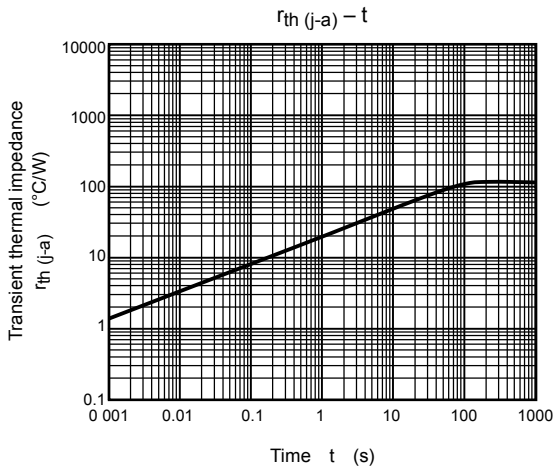
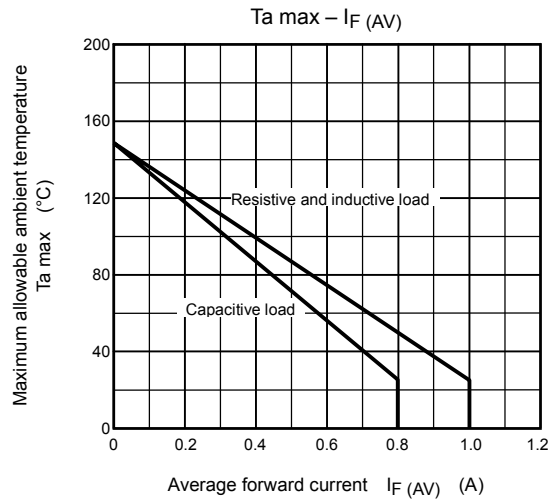
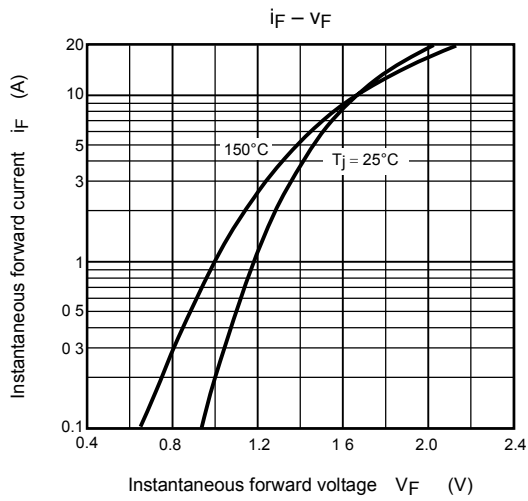
### Electrical Characteristics ( $T_a = 25^\circ\text{C}$ )

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	$\mu\text{A}$
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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