

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

S5277B, S5277G, S5277J, S5277N

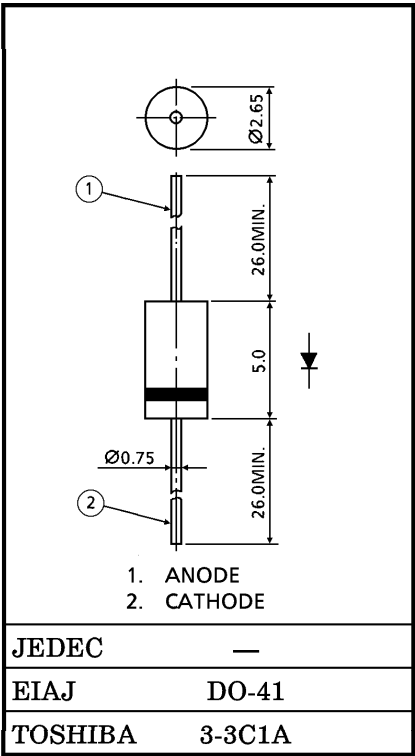
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

- Average Forward Current :  $I_F(AV)=1.0A$
- Repetitive Peak Reverse Voltage :  $V_{RRM}=100\sim1000V$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC		COLOR CODE	SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	S5277B	White	V <sub>RRM</sub>	100	V
	S5277G	Blue		400	
	S5277J	Yellow		600	
	S5277N	Green		1000	
Average Forward Current			I <sub>F</sub> (AV)	1.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)	S5277B	I <sub>FSM</sub>	50 (50Hz)	A	
	S5277G		55 (60Hz)		
	S5277J		30 (50Hz)		
	S5277N		33 (60Hz)		
Junction Temperature			T <sub>j</sub>	−40~150	°C
Storage Temperature Range			T <sub>stg</sub>	−40~150	°C

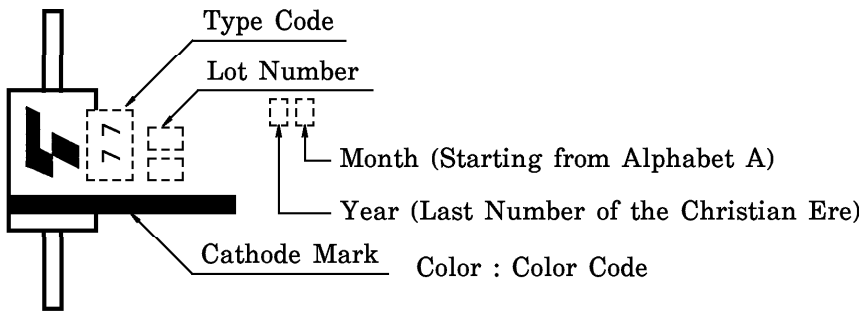


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 0.3g

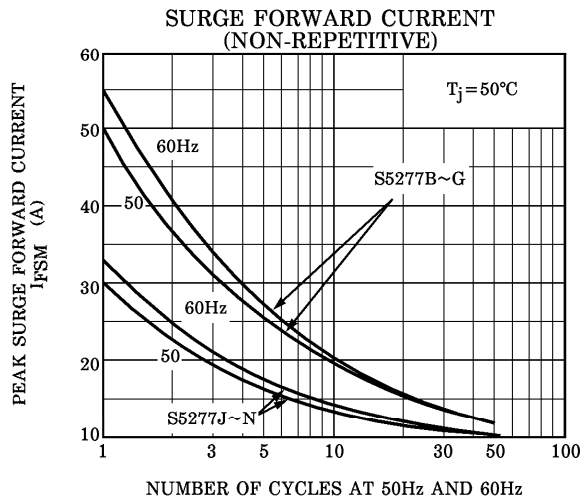
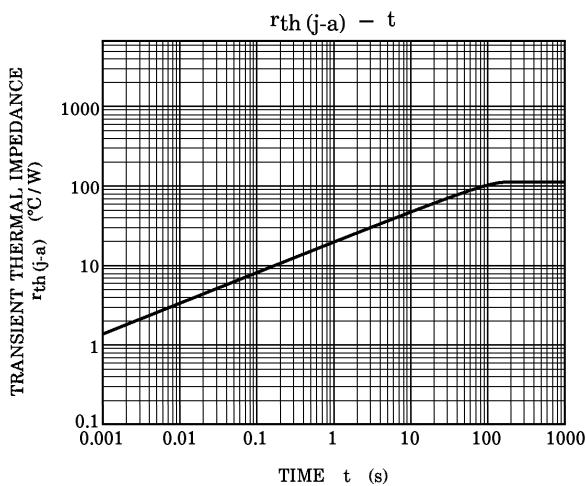
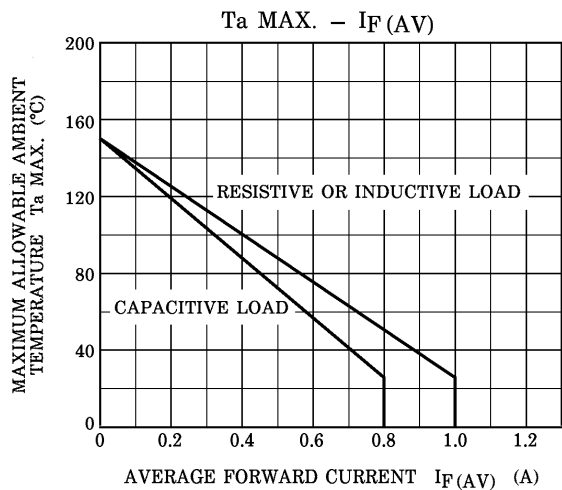
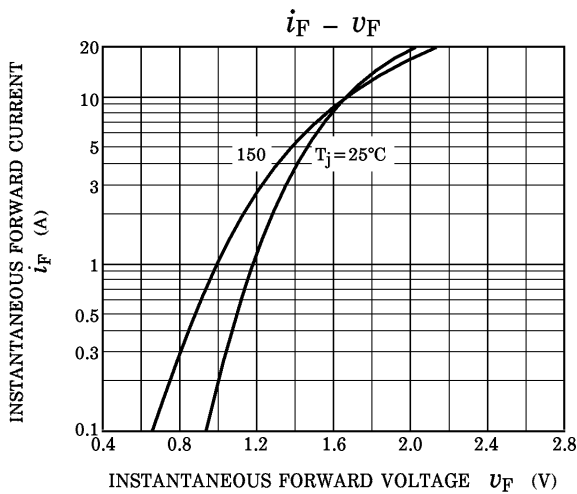
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM}=1.0A$	—	—	1.2	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}=\text{Rated}$	—	—	10	$\mu A$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	120	°C / W

MARK



COLOR CODE

COLOR	TYPE
WHITE	S5277B
BLUE	S5277G
YELLOW	S5277J
GREEN	S5277N



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000707EAA

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