

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

S5277B, S5277G, S5277J, S5277N

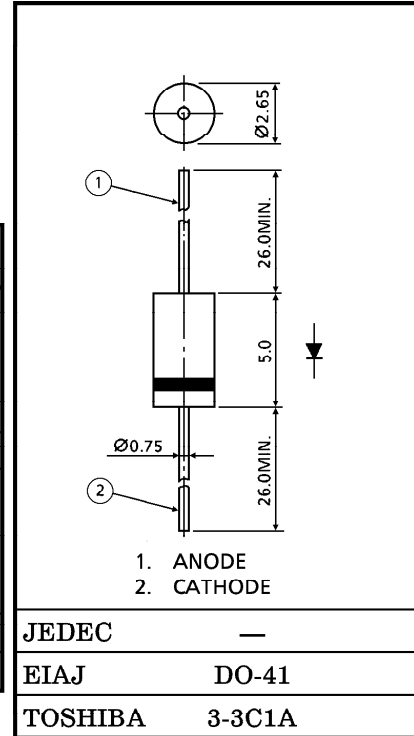
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

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

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	COLOR CODE	SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	S5277B White	V_{RRM}	100	V
	S5277G Blue		400	
	S5277J Yellow		600	
	S5277N Green		1000	
Average Forward Current		$I_F(AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)	S5277B	I_{FSM}	50 (50Hz)	A
	S5277G		55 (60Hz)	
	S5277J		30 (50Hz)	
	S5277N		33 (60Hz)	
Junction Temperature		T_j	-40~150	°C
Storage Temperature Range		T_{stg}	-40~150	°C

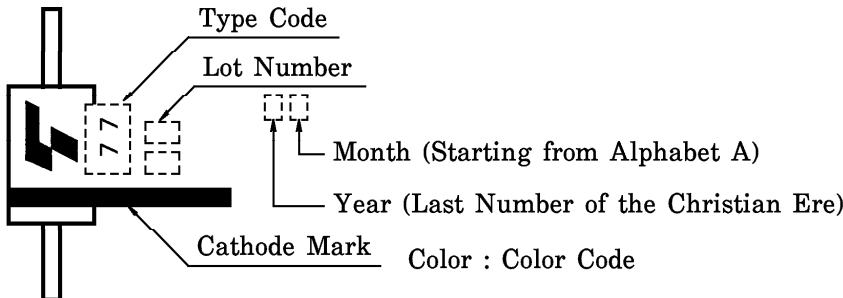


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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	μA
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	120	°C / W

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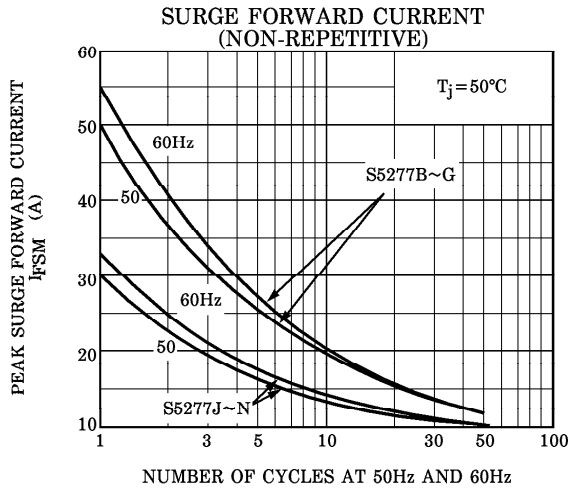
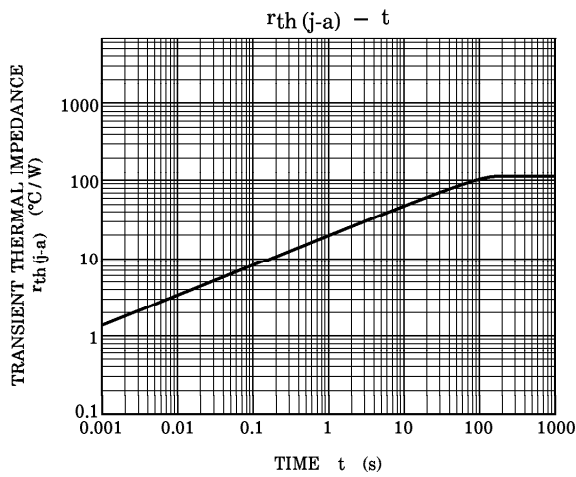
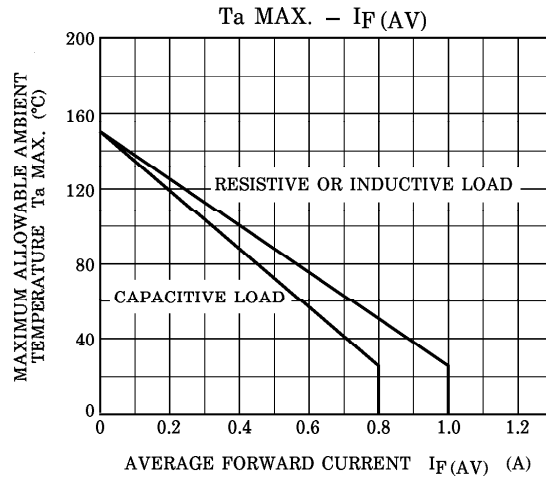
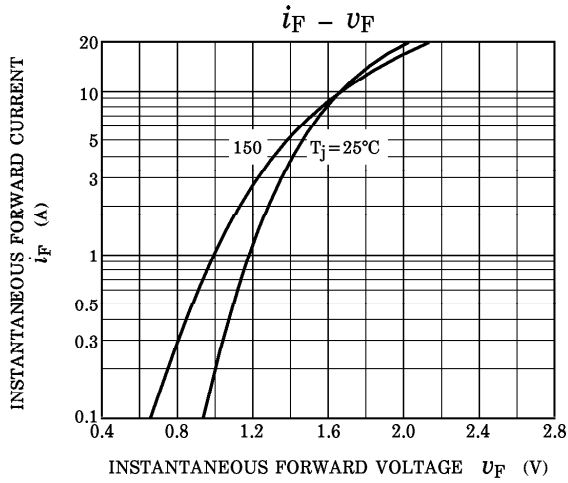


COLOR CODE

COLOR	TYPE
WHITE	S5277B
BLUE	S5277G
YELLOW	S5277J
GREEN	S5277N

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