

TOSHIBA FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

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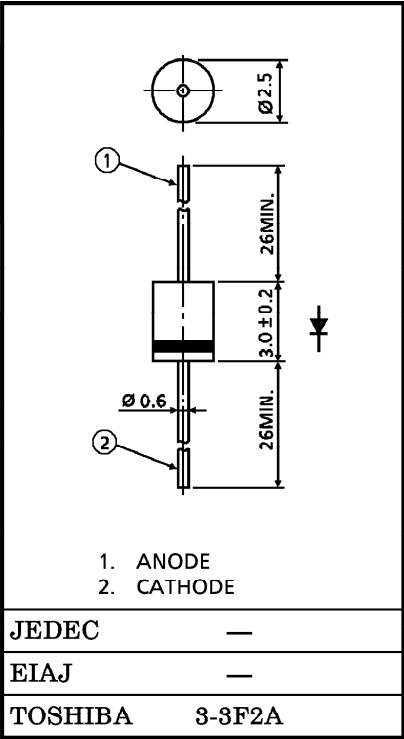
SWITCHING TYPE POWER SUPPLY APPLICATIONS

Unit in mm

- Repetitive Peak Reverse Voltage : $V_{RRM}=600V$
- Average Forward Current : $I_F(AV)=1.0A$
- Very Fast Reverse-Recovery Time : $t_{rr}=200ns$ (Max.)

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	600	V
Average Forward Current ($T_a=25^{\circ}C$)	$I_F(AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	15 (50Hz) 17 (60Hz)	A
Junction Temperature Range	T_j	$-40\sim150$	$^{\circ}C$
Storage Temperature Range	T_{stg}	$-40\sim150$	$^{\circ}C$

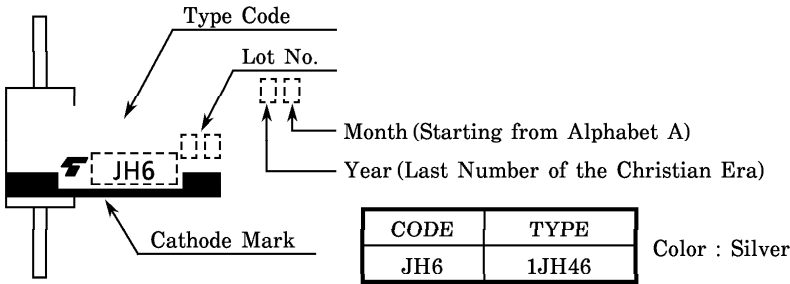


Weight : 0.18g

ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}C$)

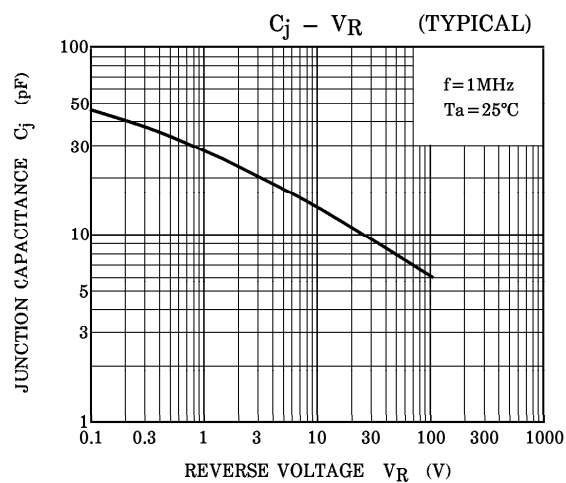
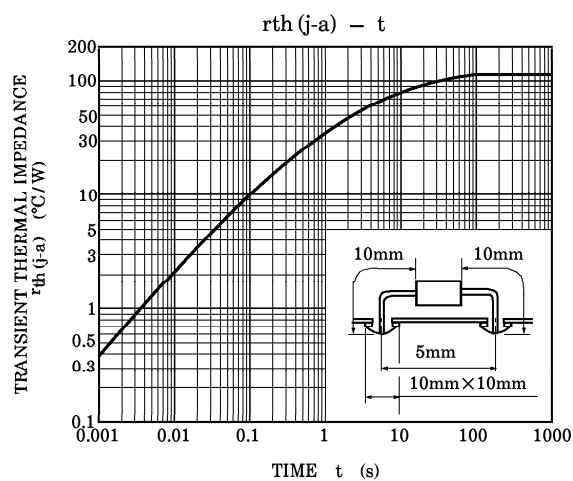
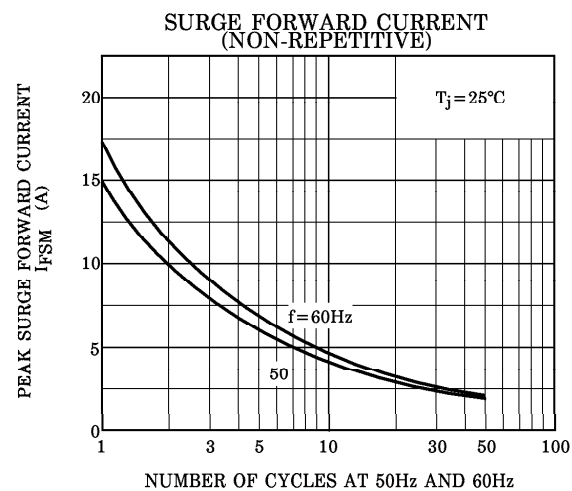
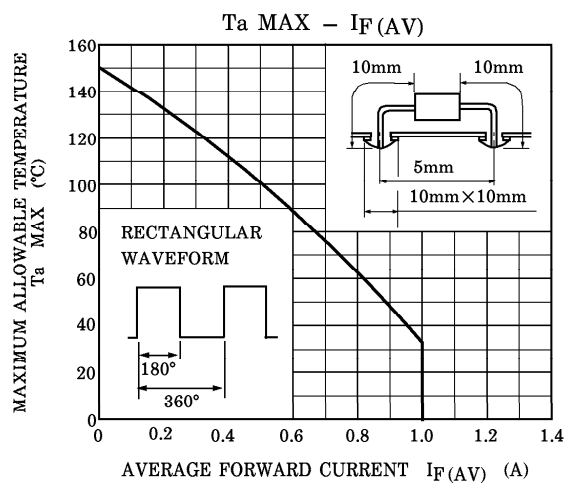
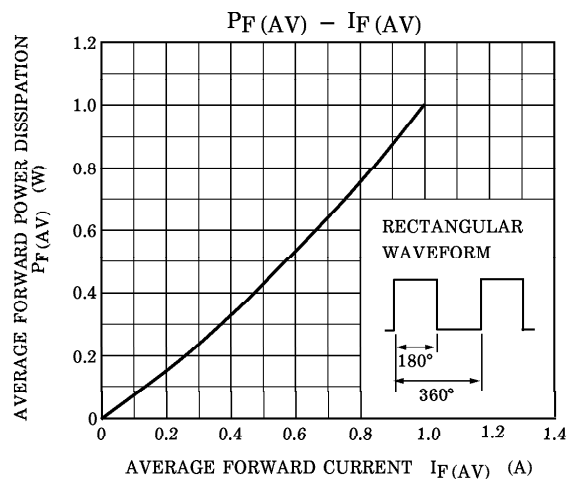
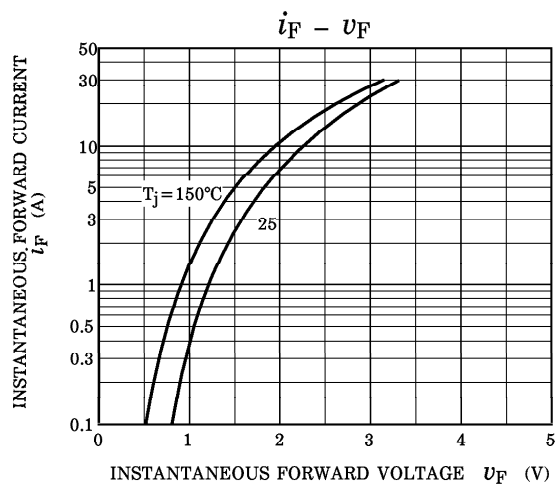
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$V_{FM}=1.0A$	—	—	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=600V$	—	—	100	μA
Reverse Recovery Time	t_{rr}	$I_F=1A, di/dt=-30A/\mu s$	—	—	200	ns
Forward Recovery Time	t_{fr}	$I_F=1.0A$	—	—	500	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	—	—	115	$^{\circ}C/W$

Marking



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