

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

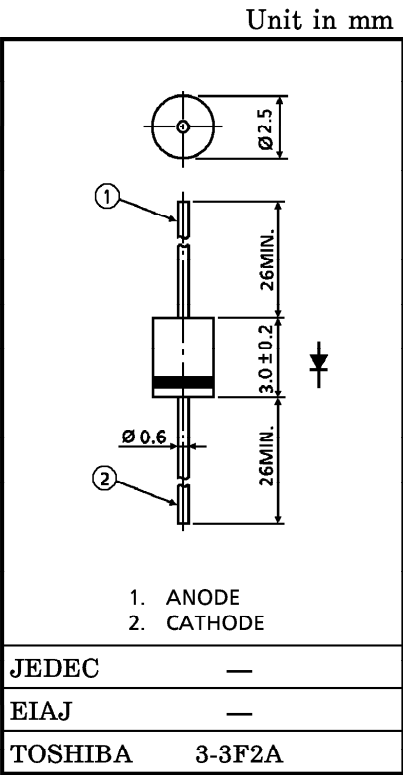
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HIGH SPEED RECTIFIER APPLICATIONS
(FAST RECOVERY)

- Average Forward Current : $I_F(AV)=1.0A$
- Repetitive Peak Reverse Voltage : $V_{RRM}=400V$
- Reverse Recovery Time : $t_{rr}=100ns$ (Max.)
- Plastic Mold Type.

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	400	V
Average Forward Current	$I_F(AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	15 (50Hz) 17 (60Hz)	A
Junction Temperature Range	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C

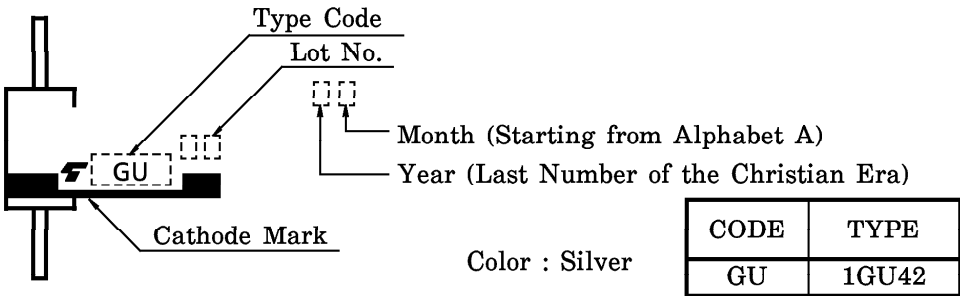


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 0.18g

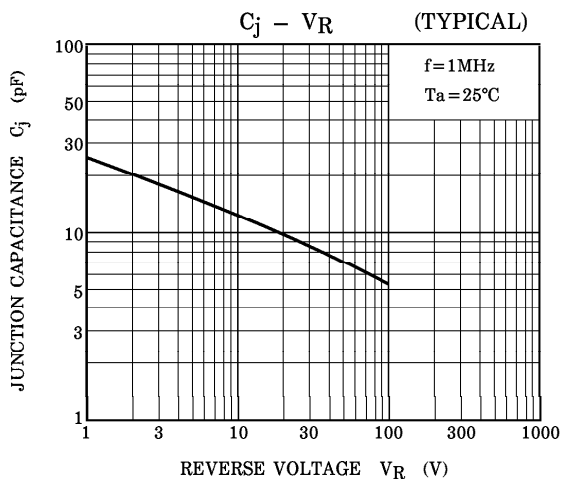
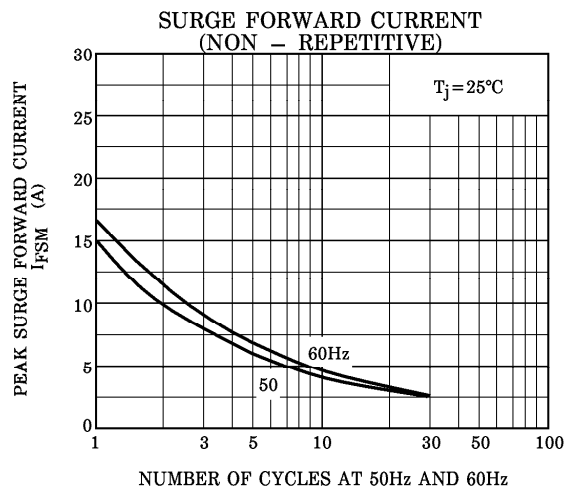
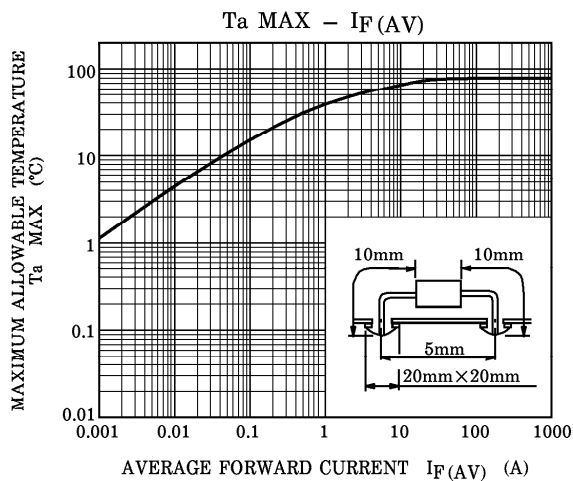
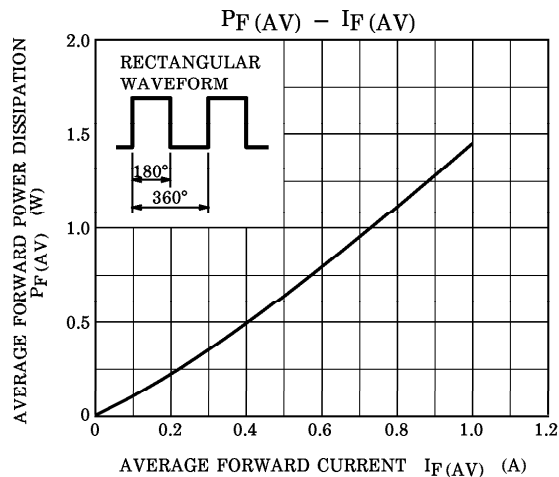
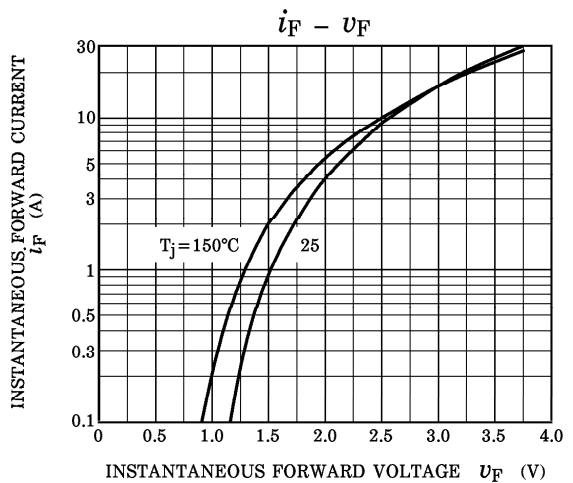
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=1.0A$	—	—	1.5	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=400V$	—	—	50	μA
Reverse Recovery Time	t_{rr}	$I_F=1.0A, di/dt=-30A/\mu s$	—	—	100	ns
Forward Recovery Time	t_{fr}	$I_F=1.0A$	—	—	250	ns

MARKING



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