

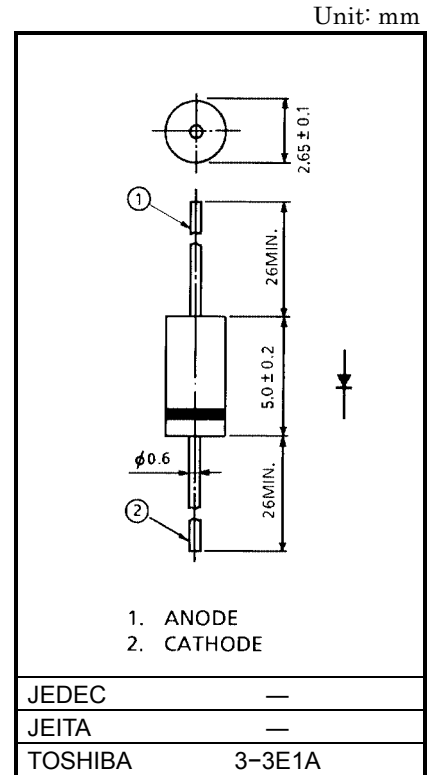
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HIGH SPEED RECTIFIER APPLICATIONS (FAST RECOVERY)

- Average Forward Current : $I_F(AV) = 1.0A$
- Repetitive Peak Reverse Voltage : $V_{RRM} = 600V$
- Reverse Recovery Time : $t_{rr} = 100ns (Max)$
- Plastic Mold Type.

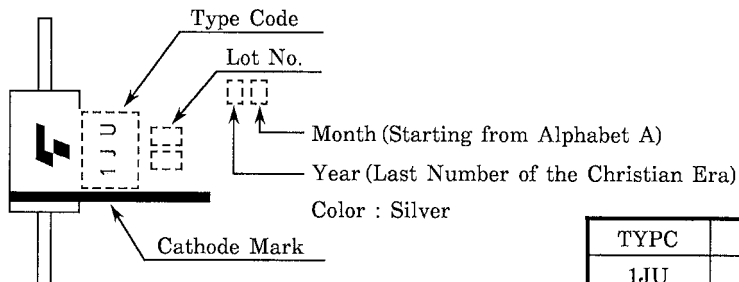
MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	600	V
Average Forward Current	$I_F(AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	30 (50Hz)	A
		33 (60Hz)	
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C



Weight: 0.225g

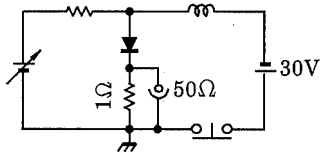
MARKING



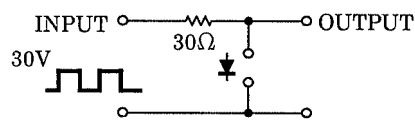
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	$V_{FM} = 1.0A$	—	—	2.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 600V$	—	—	100	μA
Reverse Recovery Time (Note 1)	t_{rr}	$I_F = 1.0A, di / dt = -30A / \mu s$	—	—	100	ns
Forward Recovery Time (Note 2)	t_{fr}	$I_F = 1.0A$	—	—	250	ns

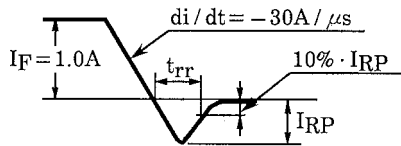
Note 1: t_{rr} TEST CIRCUIT



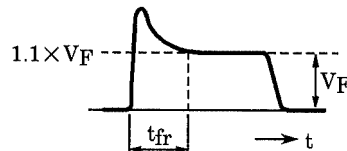
Note 2: t_{fr} TEST CIRCUIT

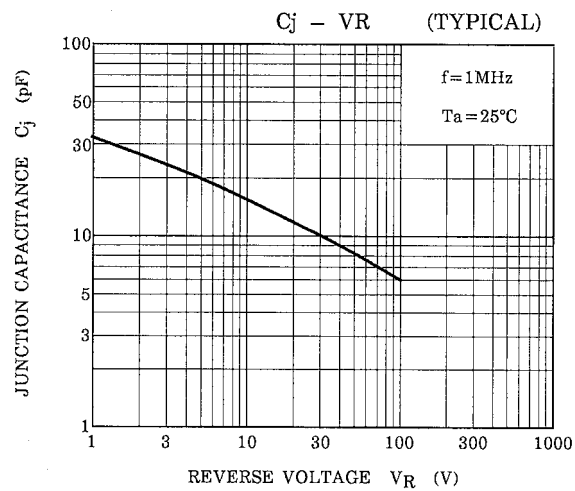
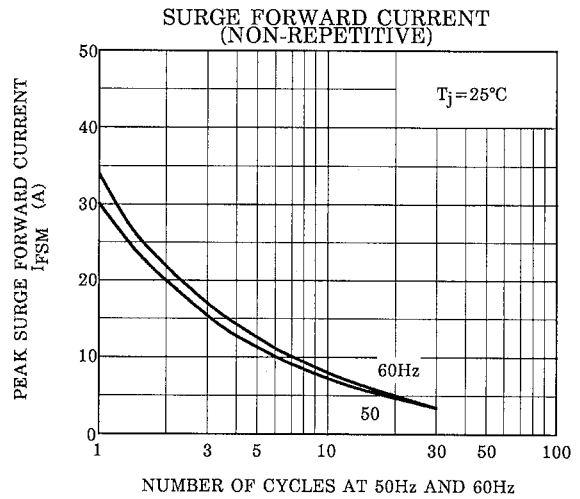
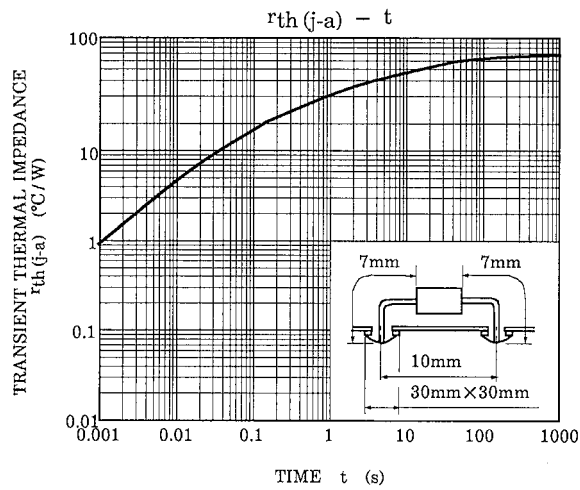
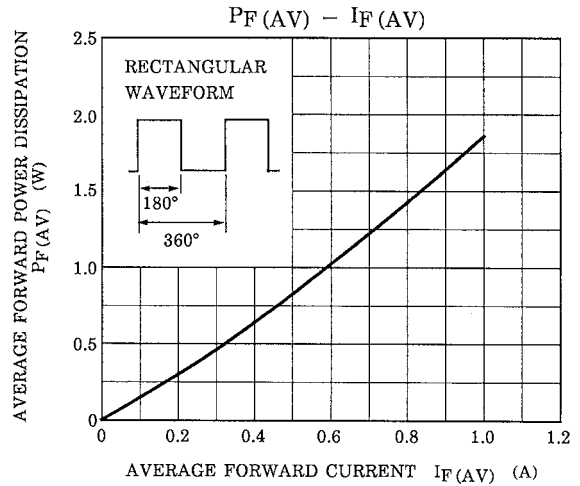
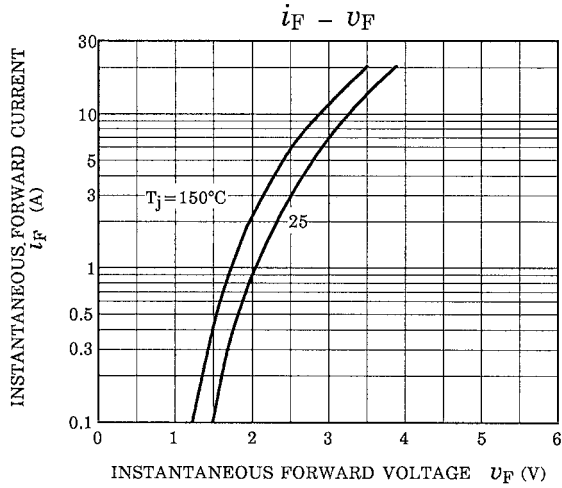


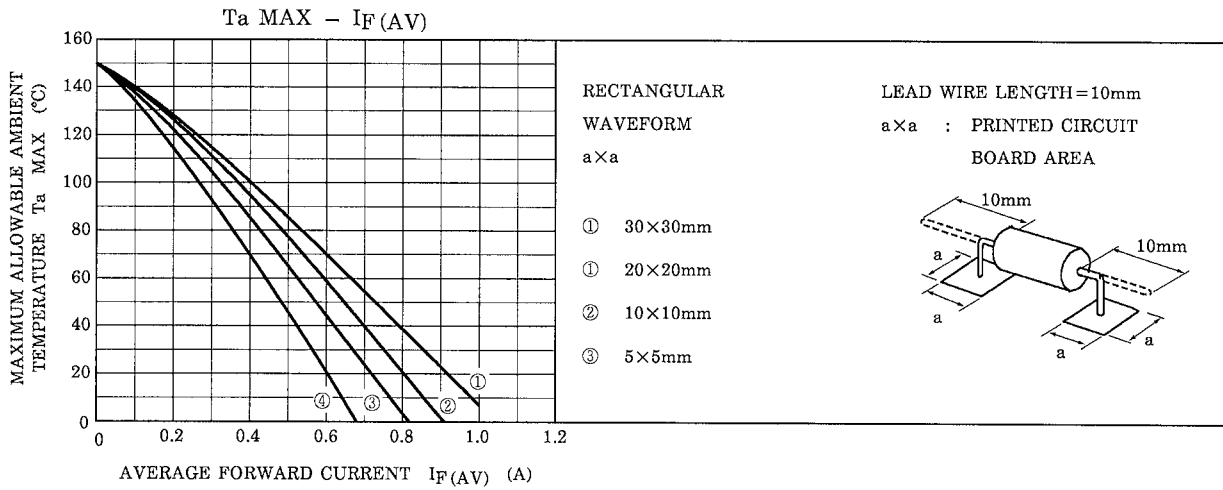
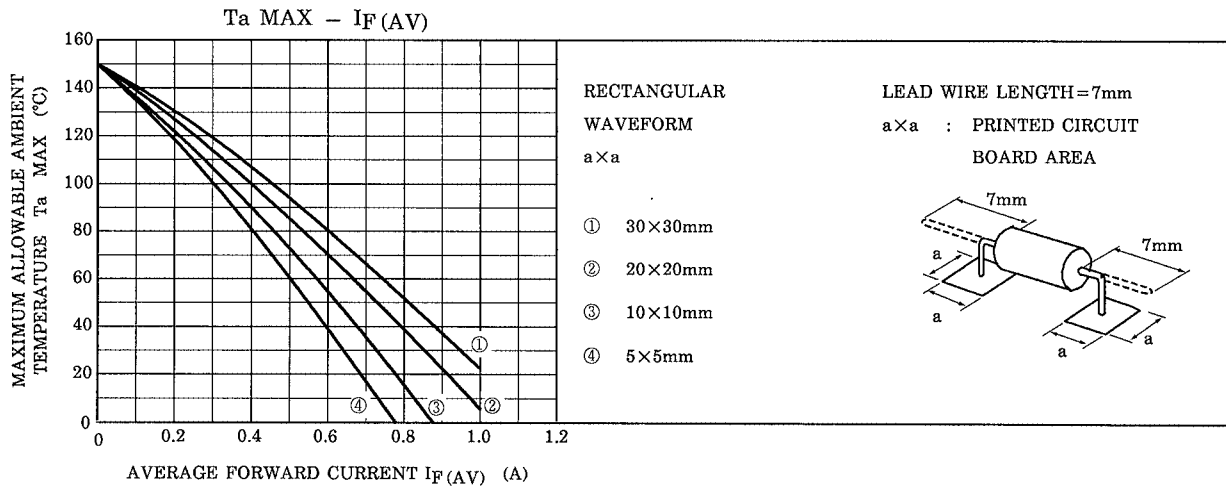
WAVEFORM



WAVEFORM







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