

1R5GU41

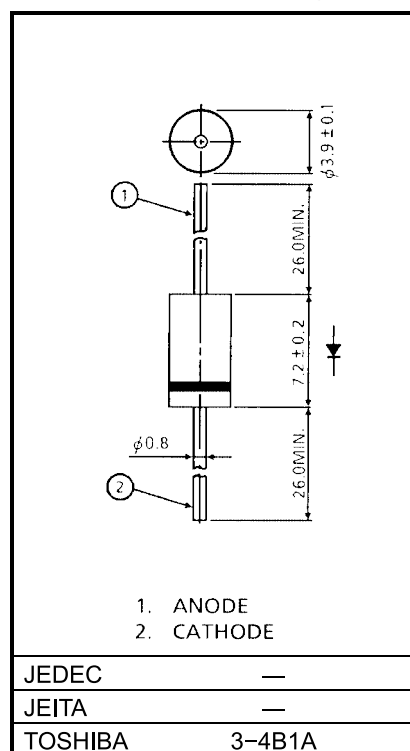
Unit: mm

SWITCHING MODE POWER SUPPLY APPLICATIONS

- Repetitive Peak Reverse Voltage : $V_{RRM} = 400V$
- Average Forward Current : $I_F (AV) = 1.5A$ ($T_a = 25^\circ C$)
- Very Fast Reverse-Recovery Time : $t_{rr} = 100ns$

MAXIMUM RATINGS ($T_a = 25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	400	V
Average Forward Current	$I_F (AV)$	1.5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	60 (50Hz) 66 (60Hz)	A
Junction Temperature	T_j	-40~150	$^\circ C$
Storage Temperature Range	T_{stg}	-40~150	$^\circ C$

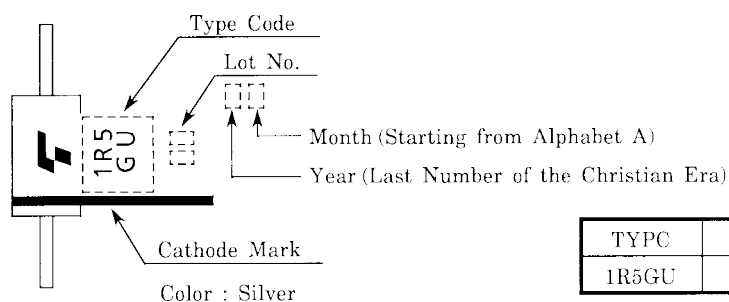


Weight: 0.47g

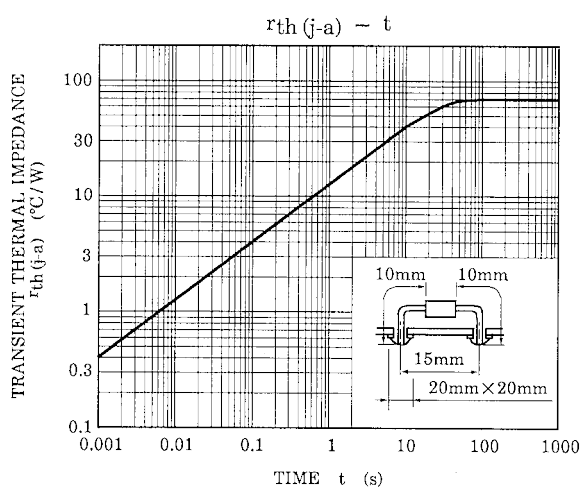
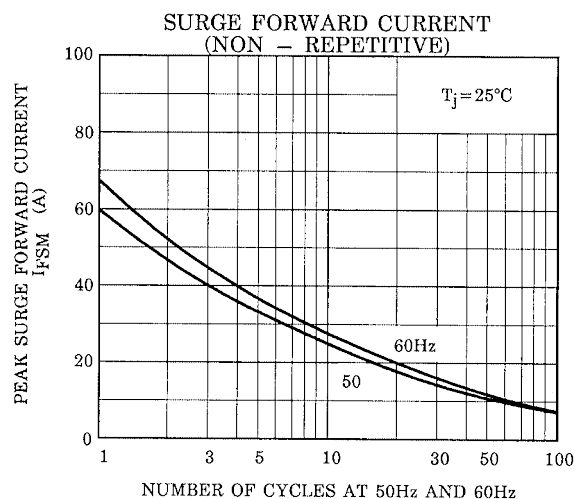
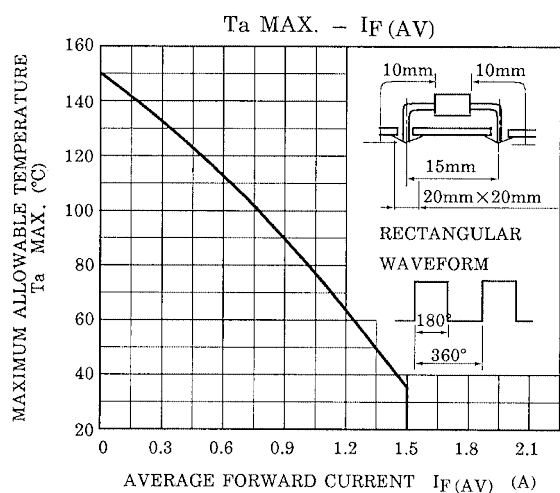
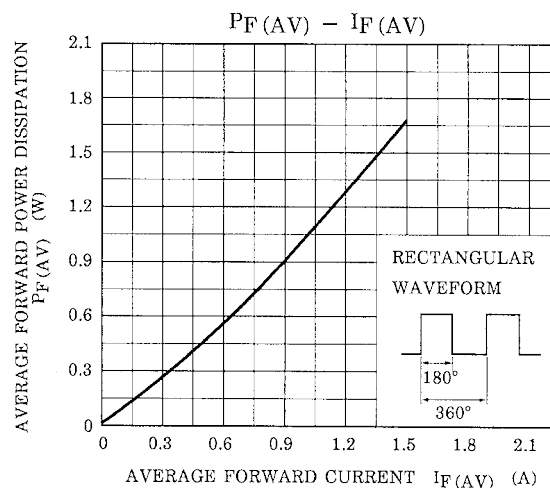
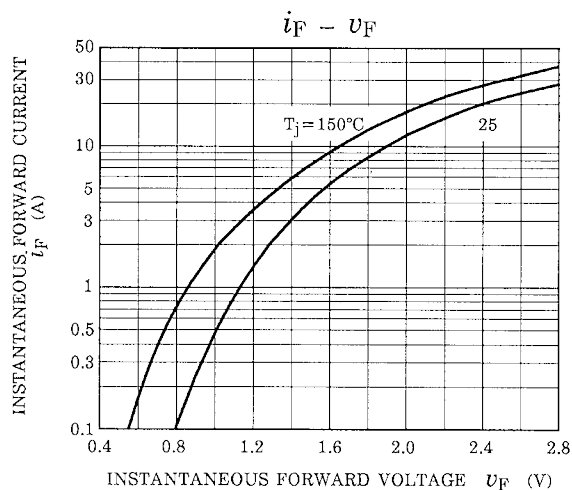
ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.5A$	—	—	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 400V$	—	—	50	μA
Reverse Recovery Time	t_{rr}	$I_F = 1A, di/dt = -30A/\mu s$	—	—	100	ns
Forward Recovery Time	t_{fr}	$I_F = 1.0A$	—	—	200	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	—	—	68	$^\circ C/W$
Thermal Resistance	$R_{th(j-l)}$	Junction to Lead	—	—	30	$^\circ C/W$

MARKING



TYPC	TYPE
1R5GU	1R5GU41



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000707EAA

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