TOSHIBA

TOSHIBA SUPER FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

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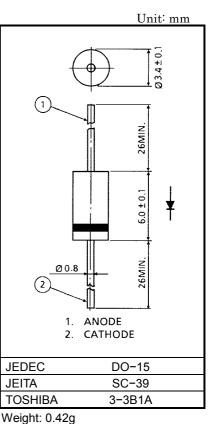
SWITCHING MODE POWER SUPPLY APPLICATIONS

- Repetitive Peak Reverse Voltage $: V_{RRM} = 1000V$
- Average Forward Current $: I_F(AV) = 1.0A$
- Very Fast Reverse-Recovery Time : trr = 100ns

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V _{RRM}	1000	V
Average Forward Current	I _{F (AV)}	1.0	А
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	10 (50H _Z)	A
		11 (60H _Z)	
Junction Temperature	Tj	-40~150	°C
Storage Temperature Range	T _{stg}	-40~150	°C

Rth (j-l)



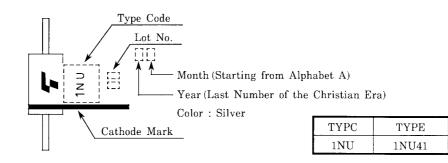
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

SYMBOL UNIT CHARACTERISTIC TEST CONDITION MIN TYP. MAX Peak Forward Voltage 3.3 V I_{FM} = 1.0A V_{FM} _ _ V_{RRM} = Rated Repetitive Peak Reverse Current IRRM 100 μA ____ _ **Reverse Recovery Time** $I_F = 1A$, di / dt = -30A / μ s 100 trr _ ns I_F = 1.0A Forward Recovery Time 300 _ t_{fr} ns °C/W Thermal Resistance Junction to Ambient _ 60 Rth (j-a)

Junction to Lead

MARKING

Thermal Resistance

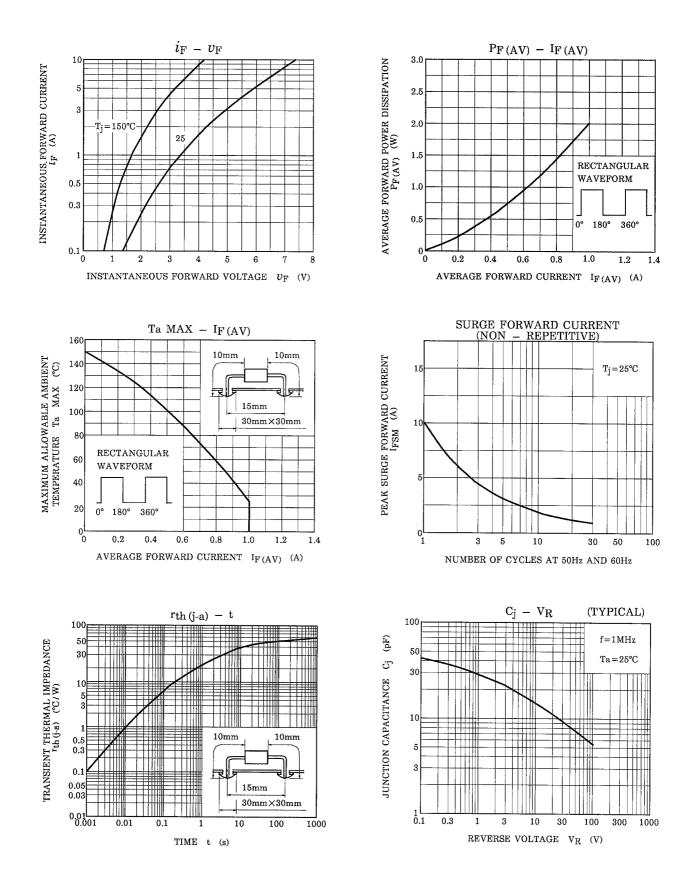


°C/W

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