TOSHIBA SUPER FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

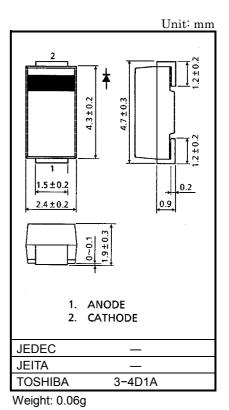
U1JU44

SWITCHING MODE POWER SUPPLY APPLICATIONS

- Repetitive Peak Reverse Voltage $: V_{RRM} = 600V$
- Average Forward Current : IF (AV) = 1.0A
- Very Fast Reverse-Recovery Time $: t_{rr} = 100ns$ (Max)
- Surface Mounting Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

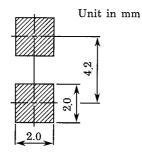
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V _{RRM}	600	V	
Average Forward Current	I _{F (AV)}	1.0	А	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	15 (50Hz)	A	
		17 (60Hz)		
Junction Temperature Range	Тј	-40~150	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	



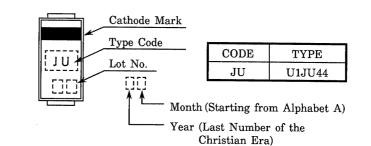
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 1.0A	-	-	2.0	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 600V			100	μA
Reverse Recovery Time	t _{rr}	I _F = 1A, di / dt = −30A / μs	_	_	100	ns
Forward Recovery Time	t _{fr}	I _F = 1.0A	_	_	250	ns

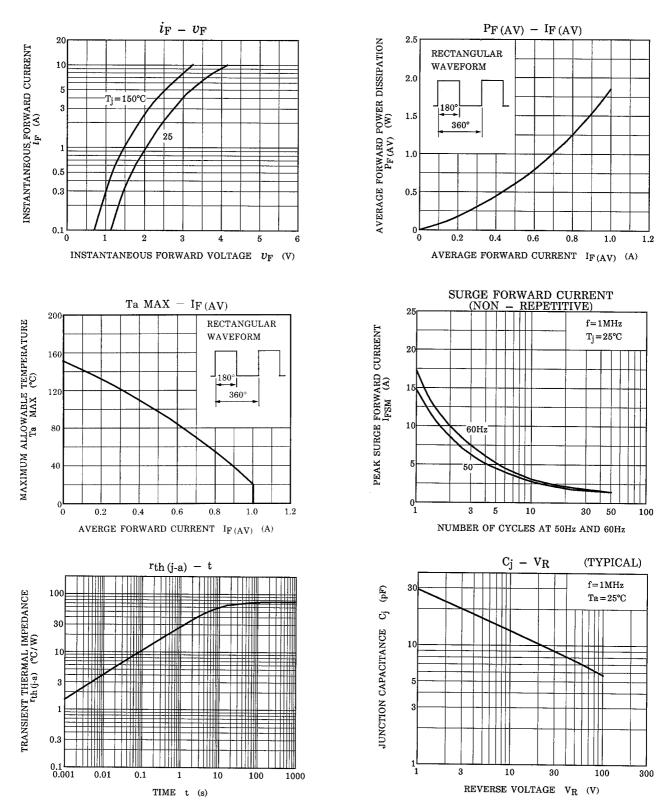
STANDARD SOLDERING PAD



MARKING



TOSHIBA



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