TOSHIBA SUPER FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

U1JU44

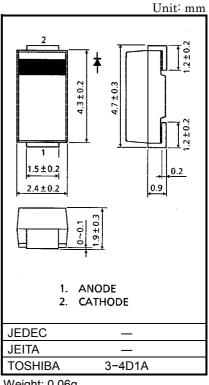
SWITCHING MODE POWER SUPPLY APPLICATIONS

• Repetitive Peak Reversw Voltage $: V_{RRM} = 600V$ • Average Forward Current $: I_{F(AV)} = 1.0A$ • Very Fast Reverse–Recovery Time $: t_{rr} = 100 \text{ns} \text{ (Max)}$

• 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	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	15 (50Hz)	Α	
		17 (60Hz)		
Junction Temperature Range	Tj	-40~150	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	



Weight: 0.06g

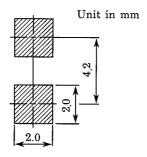
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

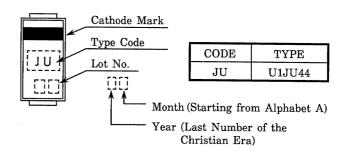
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 1.0A	_	_	2.0	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 600V	1	_	100	μA
Reverse Recovery Time	t _{rr}	$I_F = 1A$, di / dt = $-30A$ / μ s	_	_	100	ns
Forward Recovery Time	t _{fr}	I _F = 1.0A	_	_	250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

STANDARD SOLDERING PAD

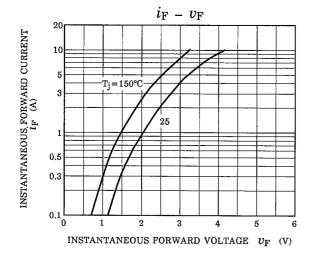
MARKING

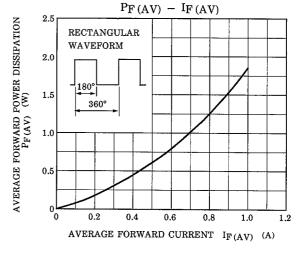
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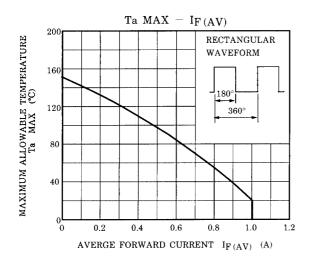


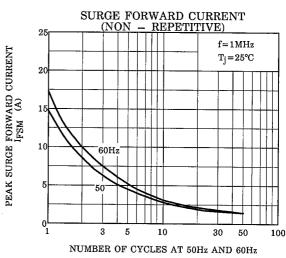


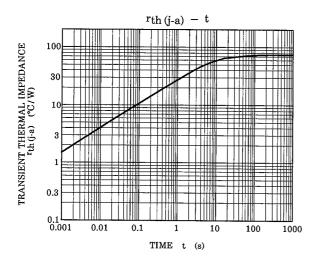
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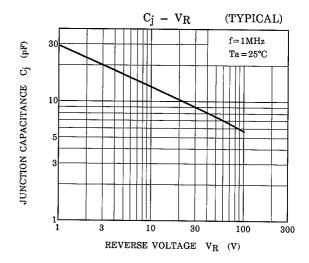












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