TOSHIBA SUPER FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

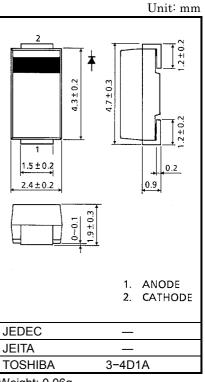
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SWITCHING MODE POWER SUPPLY APPLICATIONS

• Repetitive Peak Reverse Voltage $V_{RRM} = 1000$ Average Forward Current $: I_{F(AV)} = 0.5A$ Very Fast Reverse-Recovery Time : trr = 100ns (Max)

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	1000	V
Average Forward Current	I _{F (AV)}	0.5	Α
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	10 (50H _Z)	Α
Junction Temperature Range	Tj	-40~150	°C
Storage Temperature Range	T _{stg}	-40~150	°C

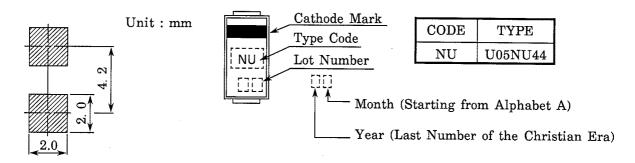


Weight: 0.06g

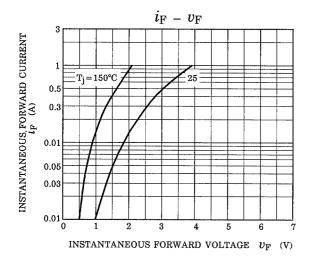
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

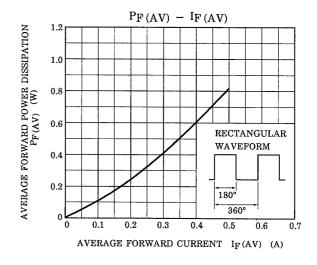
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 0.5A	_	_	3.0	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 1000V	_	-	100	μΑ
Reverse Recovery Time	t _{rr}	$I_F = 1A$, di / dt = $-30A$ / μ s	_	_	100	ns
Forward Recovry Time	t _{fr}	I _F = 1.0A	_	300	_	ns

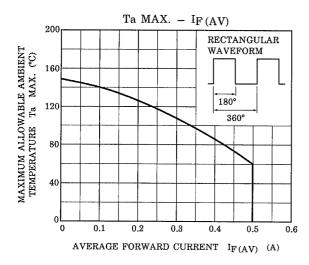
STANDARD SOLDERING PAD MARKING

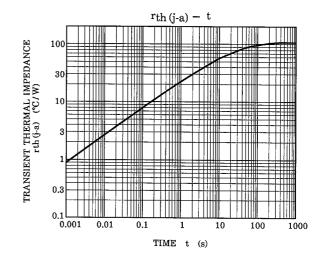


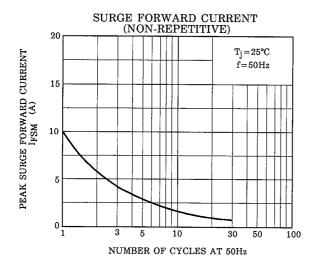
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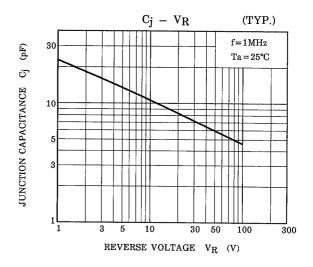












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