TOSHIBA SUPER FAST RECOVERY RECTIFIER SILICON DIFFUSED TYPE

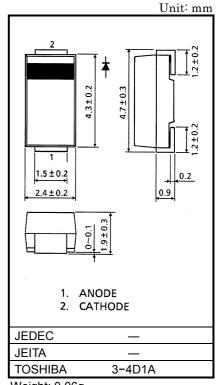
U1GU44

SWITCHING MODE POWER SUPPLY APPLICATIONS

• Surface Mounting Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	400	V	
Average Forward Current	I _{F (AV)}	1.0	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	15 (50 Hz)	A	
		17 (60 Hz)		
Junction Temparature	Tj	-40~150	°C	
Storage Temparature Range	T _{stg}	-40~150	°C	



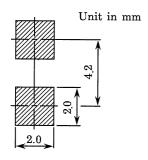
Weight: 0.06g

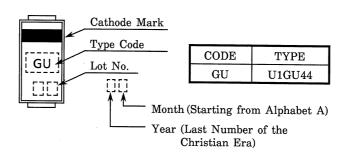
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

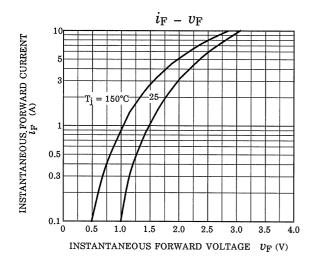
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 1.0 A	_	_	1.5	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 400 V	_	_	50	μΑ
Reverse Recovery Time	t _{rr}	I _F = 1 A, di / dt = -30 A / μs	_	_	100	ns
Forward Recovery Time	t _{fr}	I _F = 1.0 A	_	_	250	ns

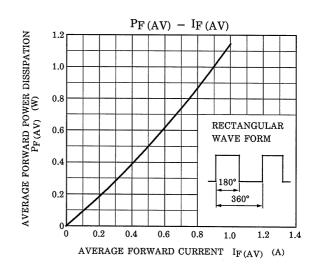
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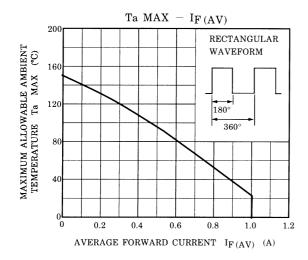
STANDARD SOLDERING PAD MARKING

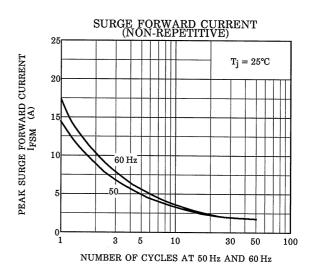


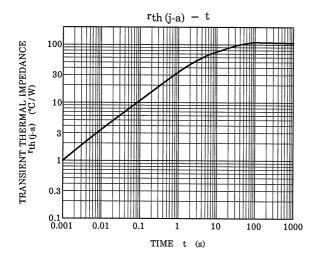


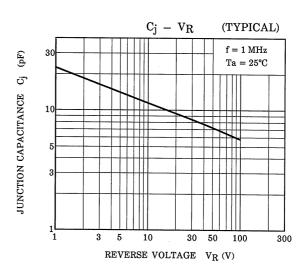












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