TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

U1GWJ44

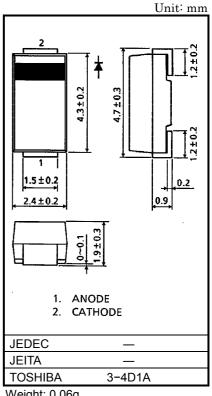
HIGH SPEED RECTIFIER APPLICATIONS

• Average Forward Current : IF (AV) = 1.0A • Low Forward Voltage $: V_{FM} = 0.55V (Max)$

Surface Mounting Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	40	V	
Average Forward Current	I _{F (AV)}	1.0	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I _{FSM}	25 (50 Hz)	Α	
		27 (60 Hz)		
Junction Temparature	Tj	-40~125	°C	
Storage Temparature Range	T _{stg}	-40~125	°C	



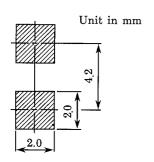
Weight: 0.06g

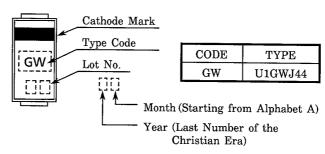
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

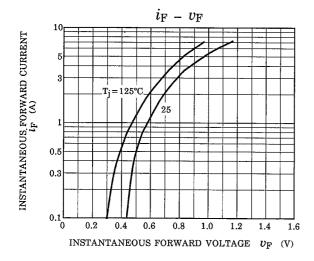
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} = 1.0 A	_	_	0.55	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 40 V	_	_	0.5	mA
Reverse Recovery Time	t _{rr}	I _F = 1.0 A, di / dt = -30 A / µs	_	_	35	ns
Junction Capacitance	Cj	V _R = 10 A, f = 1MHz	_	47	_	pF

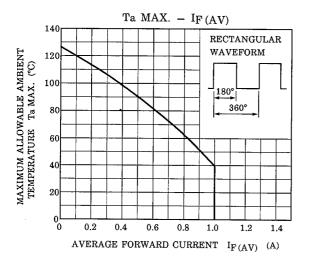
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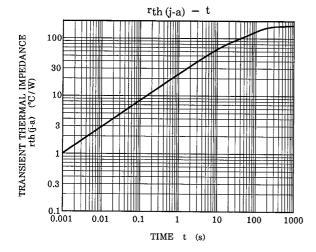
STANDARD SOLDERING PAD **MARK**

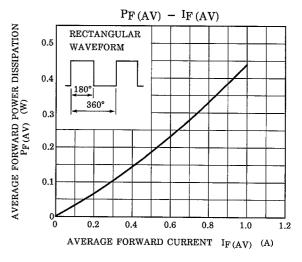


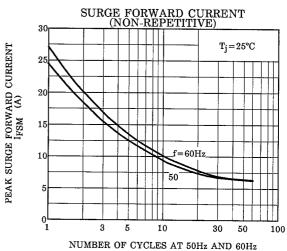


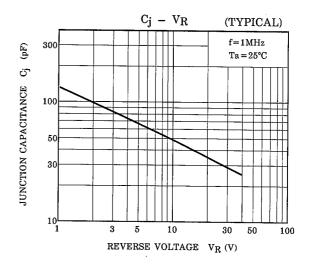




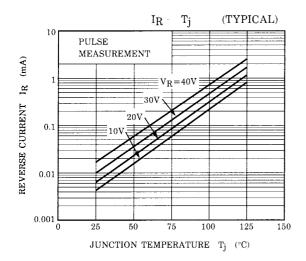


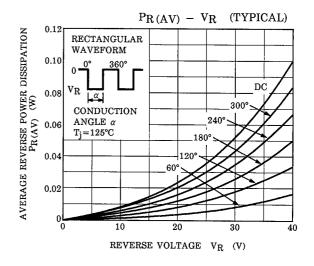






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