TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

## U3FWJ44N

### HIGH SPEED RECTIFIER APPLICATIONS

• Low Forward Voltage  $: V_{FM} = 0.37V (Max)$  Average Forward Current  $: I_{F(AV)} = 3.0A$ • Repetitive Peak Reverse Voltage : VRRM = 30V

### **MAXIMUM RATINGS (Ta = 25°C)**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
Average Forward Current	I <sub>F (AV)</sub>	3.0	Α
Peak One Cycle Surge Forward Current (Non-Repetitive)	I <sub>FSM</sub>	120 (50Hz)	Α
Junction Temparature	Tj	-40~125	°C
Storage Temparature Range	T <sub>stg</sub>	-40~125	°C

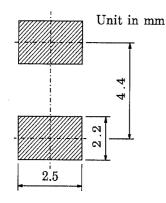
# Unit: mm CATHODE MARK 1. ANODE 2. CATHODE **JEDEC** JEITA TOSHIBA

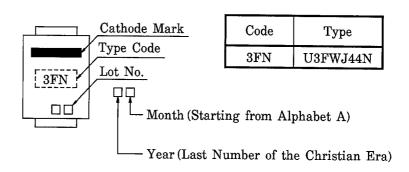
Weight: 0.1g

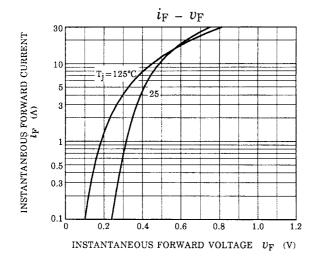
### **ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

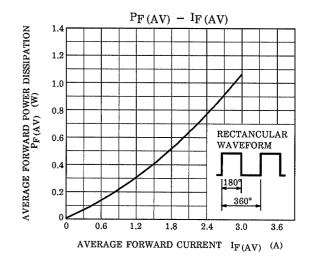
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	I <sub>FM</sub> = 3.0A	_	_	0.37	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> = 30V	_	_	5.0	mA
Junction Capacitance	Cj	V <sub>R</sub> = 10V, f = 1MHz	_	140	_	pF

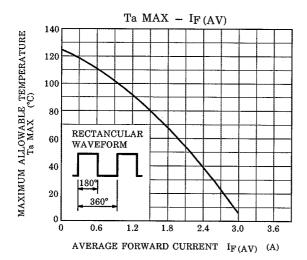
#### STANDARD SOLDERING PAD **MARKING**

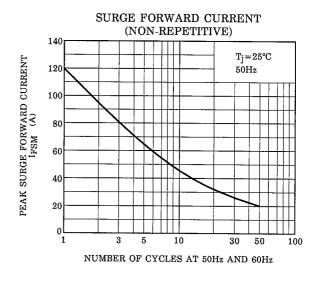


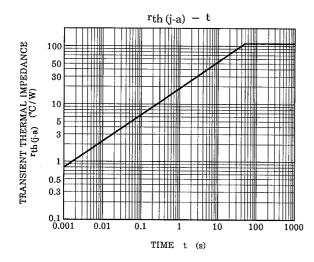


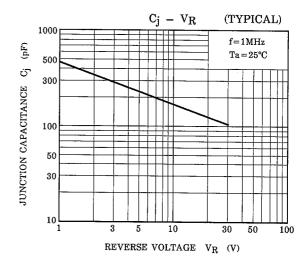


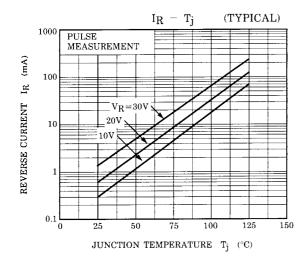


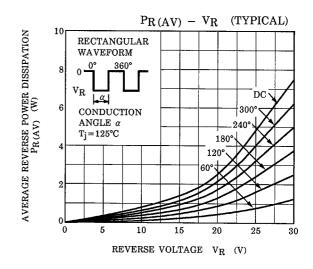












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