## TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

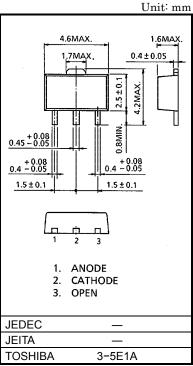
# **U1GWJ49**

#### HIGH SPEED RECTIFIER APPLICATIONS

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

## **MAXIMUM RATINGS (Ta = 25°C)**

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	$V_{RRM}$	40	V	
Average Forward Current	I <sub>F (AV)</sub>	1.0	Α	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I <sub>FSM</sub>	15 (50 Hz)	А	
		16.5 (60 Hz)		
Junction Temparature	Tj	-40~125	°C	
Storage Temparature Range	T <sub>stg</sub>	-40~125	°C	

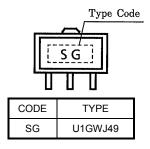


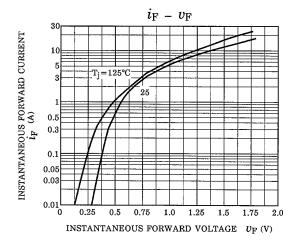
Weight: 0.05g

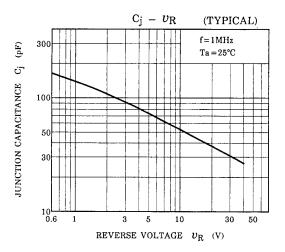
## **ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

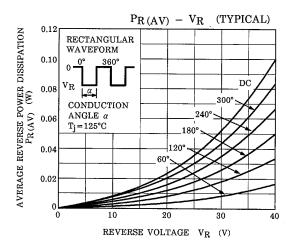
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	I <sub>FM</sub> = 1.0A	_	_	0.55	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> = 40V	_	_	0.5	mA
Junction Capacitance	Cj	V <sub>R</sub> = 10V, f = 1MHz	_	50	_	pF
Thermal Resistance	R <sub>th (j−a)</sub>	Junction to Ambient		_	125	°C/W

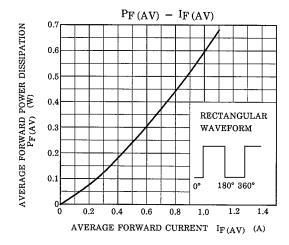
### **MARKING**

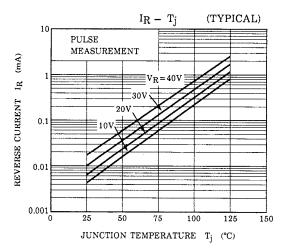












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