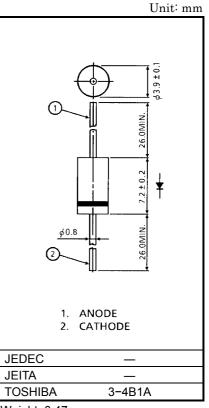
TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

# **2FWJ42M**

# SWITCHING MODE POWER SUPPLY APPLICATION PORTABLE EQUIPMENT BATTERY APPLICATION

## **MAXIMUM RATINGS (Ta = 25°C)**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	30	٧
Average Forward Current	I <sub>F (AV)</sub>	2.0	Α
Peak One Cycle Surge Forward Current (Non-Repetitive)	I <sub>FSM</sub>	60 (50Hz)	Α
Junction Temparature	Tj	-40~125	°C
Storage Temparature Range	T <sub>stg</sub>	-40~125	°C

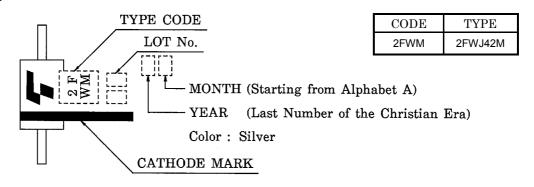


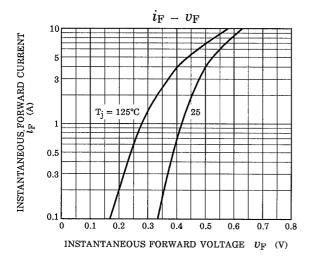
Weight: 0.47g

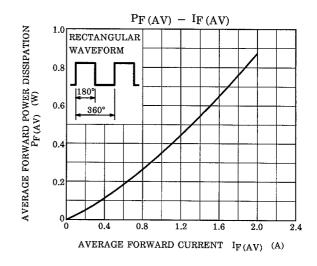
# **ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

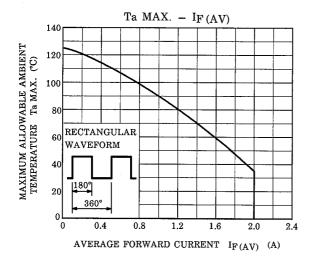
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	I <sub>FM</sub> = 2.0 A	_	_	0.45	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> = 30 V	-	_	500	μΑ
Junction Capacitance	Cj	V <sub>R</sub> = 10V, f = 1.0 MHz	_	110	_	pF
Thermal Resistance	R <sub>th (j-a)</sub>	On glass-epoxy substrate	_	_	100	°C/W

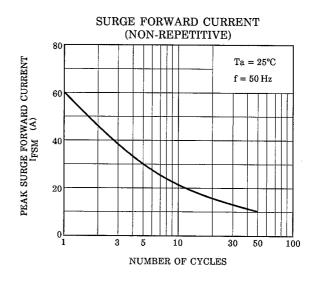
### **MARKING**

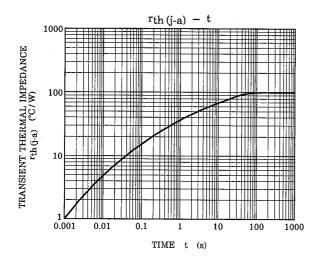


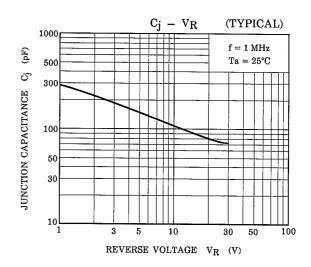




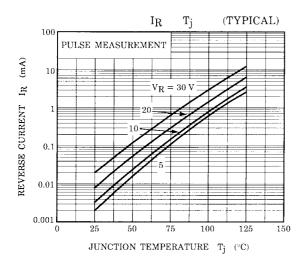


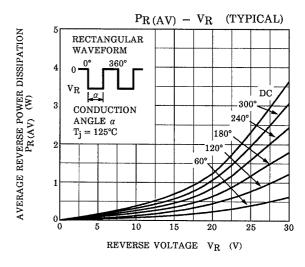






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