TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

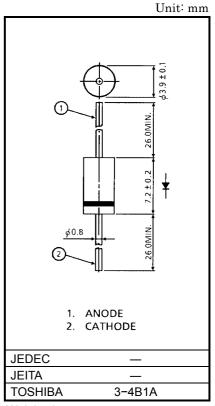
# 2FWJ42N

### HIGH SPEED RECTIFIER APPLICATIONS

 $\begin{array}{ll} \bullet & \text{Low Forward Voltage} & : V_{FM} = 0.37 \text{V (Max)} \\ \bullet & \text{Average Forward Current} & : I_{F \text{ (AV)}} = 2.0 \text{A} \\ \bullet & \text{Repetitive Peak Reverse Voltage} & : V_{RRM} = 30 \text{V} \\ \end{array}$ 

### **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>	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

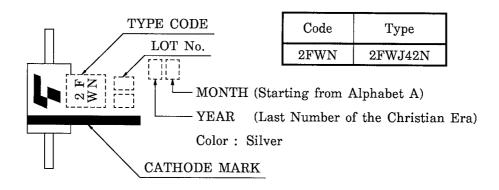


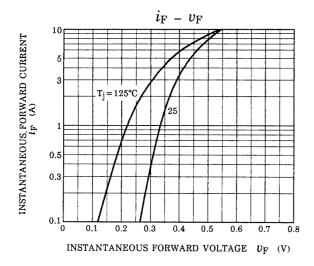
Weight: 0.47g

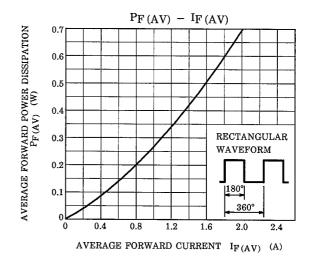
## **ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

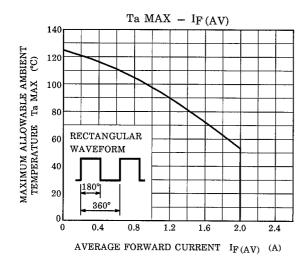
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	$V_{FM}$	I <sub>FM</sub> = 2.0A	1	_	0.37	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> = 30V		_	3.0	mA
Junction Capacitance	Cj	V <sub>R</sub> = 10V, f = 1MHz		130	_	pF

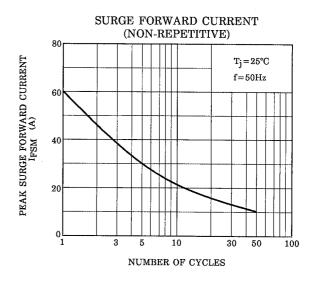
### **MARKING**

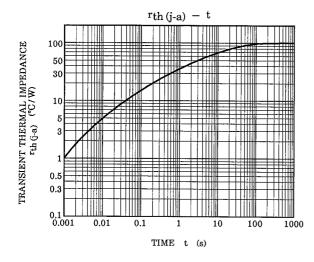


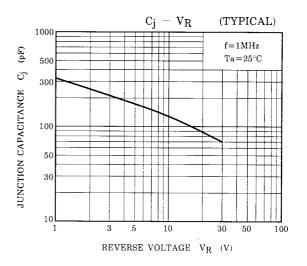




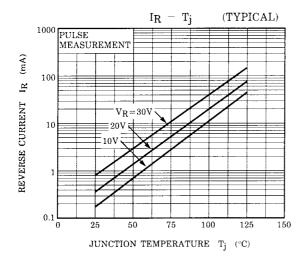


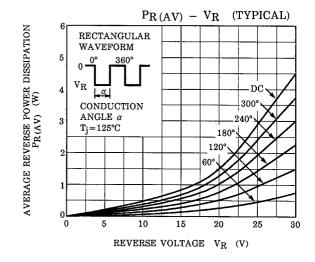






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