

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

## 5FWJ2CZ47M

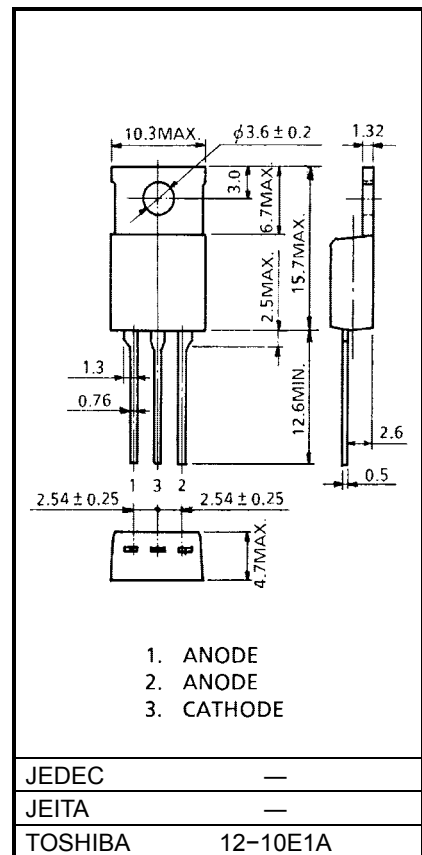
SWITCHING MODE POWER SUPPLY APPLICATION  
CONVERTER & CHOPPER APPLICATION

Unit: mm

- Repetitive Peak Reverse Voltage :  $V_{RRM} = 30V$
- Average Output Rectified Current :  $I_O = 5A$
- Low Switching Losses and Output Noise.

### MAXIMUM RATINGS ( $T_a = 25^\circ C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
Average Output Rectified Current	$I_O$	5	A
Peak One Cycle Surge Forward Current (Sin Wave)	$I_{FSM}$	50 (50Hz) 55 (60Hz)	A
Junction Temperature	$T_j$	-40~125	$^\circ C$
Storage Temperature Range	$T_{stg}$	-40~150	$^\circ C$
Screw Torque	—	0.6	N·m



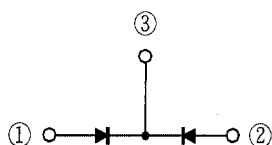
Weight: 2.0 g

### ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ C$ )

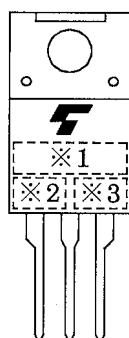
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage (Note 1)	$V_{FM}$	$I_{FM} = 2.5A$	—	0.47	V
Repetitive Peak Reverse Current (Note 1)	$I_{RRM}$	$V_{RRM} = \text{Rated}$	—	3.5	mA
Junction Capacitance (Note 1)	$C_j$	$V_R = 10V, f = 1.0MHz$	138	—	pF
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	3.5	$^\circ C / W$

Note 1: A value of one cell.

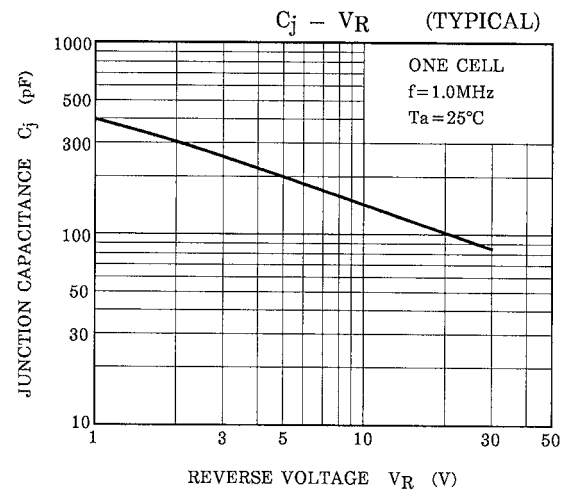
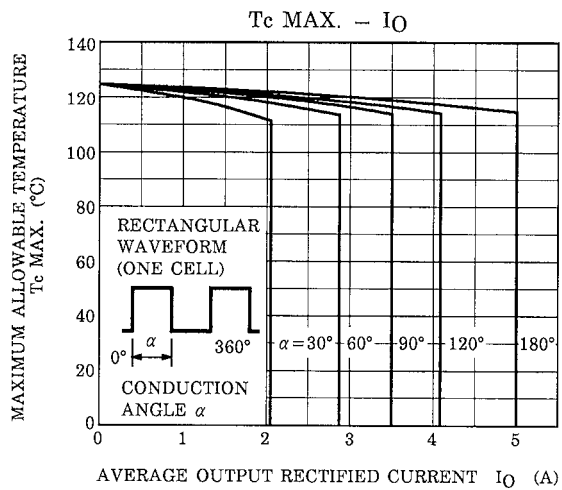
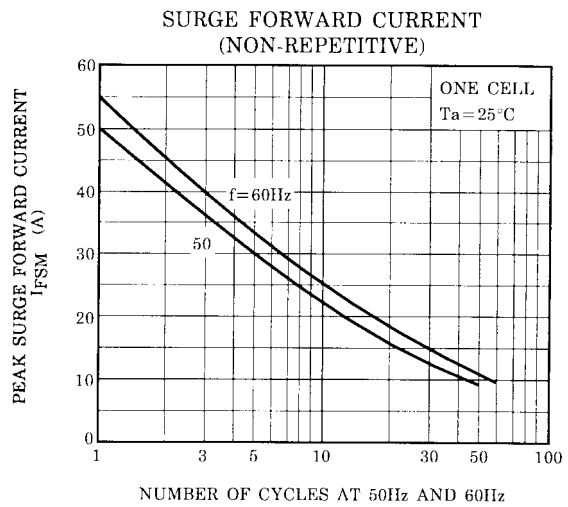
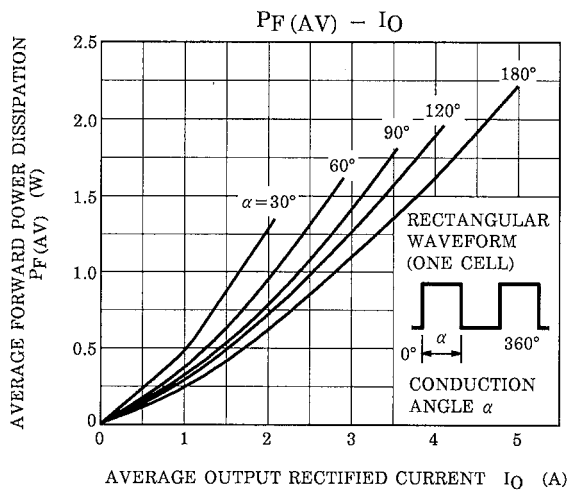
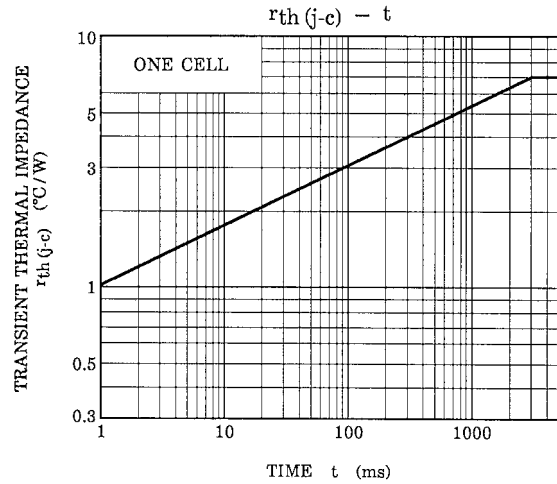
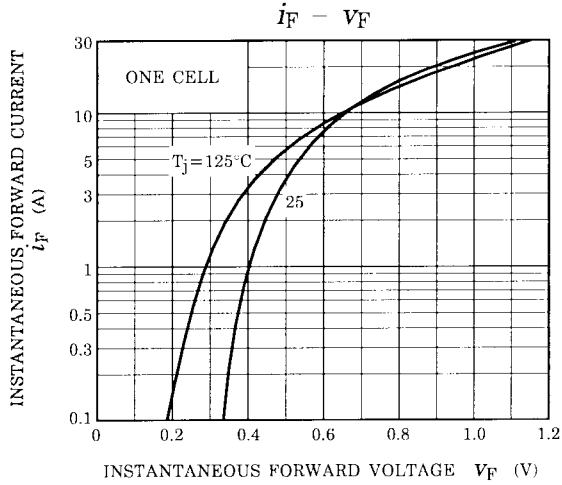
### POLARITY

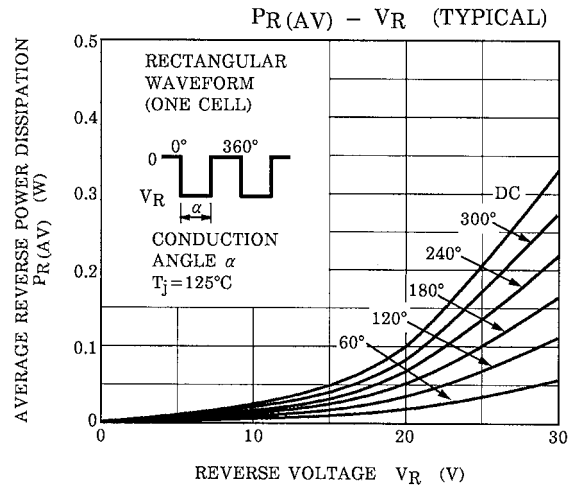
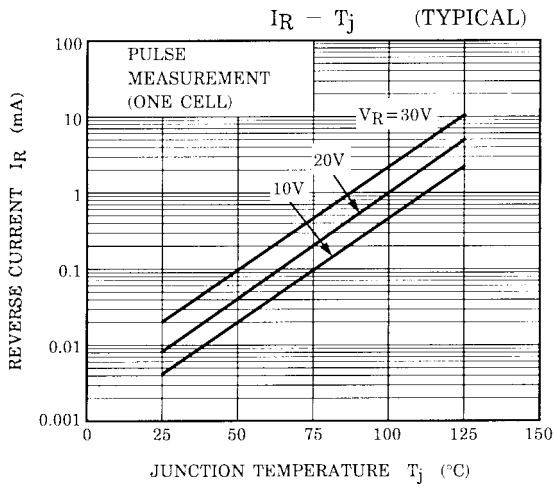


### MARKING



* 1	MARK	5FWJ2CZ	TYPE	5FWJ2CZ47M
* 2	M			
* 3	Lot Number			
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