

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

# 5FWJ2C48M,U5FWJ2C48M

SWITCHING MODE POWER SUPPLY APPLICATION  
 CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : VRRM=30V
- Average Output Rectified Current : IO=5A
- Low Switching Losses and Output Noise.

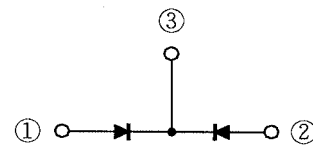
Unit in mm

5FWJ2C48M		U5FWJ2C48M	
JEDEC	—	JEDEC	—
EIAJ	—	EIAJ	—
TOSHIBA	12-10D1A	TOSHIBA	12-10D2A

## MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	VRRM	30	V
Average Output Rectified Current	IO	5	A
Peak One Cycle Surge Forward Current (Sine Wave)	IFSM	50 (50Hz)	A
		55 (60Hz)	
Junction Temperature	Tj	-40~125	°C
Storage Temperature Range	Tstg	-40~150	°C

## POLARITY



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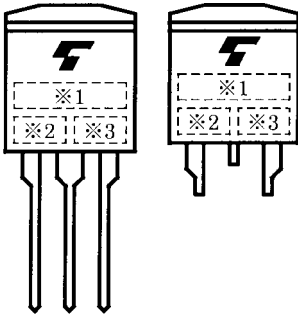
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
## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM}=2.5A$	—	0.47	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}=\text{Rated}$	—	3.5	mA
Junction Capacitance	$C_j$	$V_R=10V, f=1.0MHz$	138	—	pF
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	3.0	°C / W

$V_{FM}$ ,  $I_{RRM}$ ,  $C_j$  : A value of one cell.

## MARKING



*1	MARK	5FWJ2C	TYPE	5FWJ2C48M, U5FWJ2C48M
*2	M			
*3	Lot Number  — Month (Starting from Alphabet A) — Year (Last Number of the Christian Era)			

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