

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

5FWJ2C48M, U5FWJ2C48M

SWITCHING TYPE POWER SUPPLY APPLICATION

CONVERTER & CHOPPER APPLICATION

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

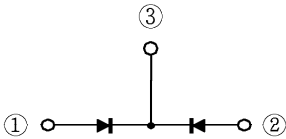
Unit in mm

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	$V_{RRM}$	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	°C
Storage Temperature Range	$T_{stg}$	-40~125	°C

POLARITY



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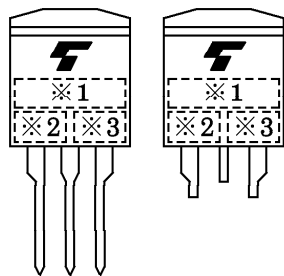
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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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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