

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

30FWJ2C48M, U30FWJ2C48M

LOW FORWARD VOLTAGE SCHOTTKY BARRIER DIODE
 SWITCHING TYPE POWER SUPPLY APPLICATION
 CONVERTER & CHOPPER APPLICATION

- Peak Forward Voltage : $V_{FM} \leq 0.47V$
- Repetitive Peak Reverse Voltage : $V_{RRM} = 30V$
- Average Output Rectified Current : $I_O = 30A$
- Low Switching Losses and Output Noise.

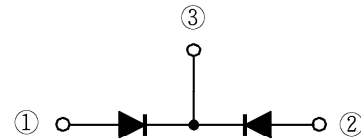
Unit in mm

30FWJ2C48M	U30FWJ2C48M
JEDEC —	JEDEC —
EIAJ —	EIAJ —
TOSHIBA 12-10D1A	TOSHIBA 12-10D2A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Average Output Rectified Current	I_O	30	A
Peak One Cycle Surge Forward Current (Sine Wave)	I_{FSM}	300 (50Hz)	A
		330 (60Hz)	
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~150	°C

POLARITY



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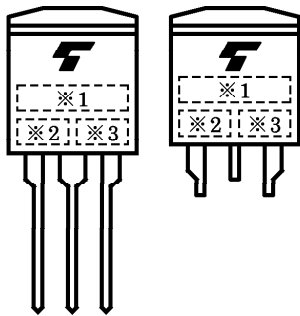
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
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 15A	—	0.47	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = 30V	—	15	mA
Junction Capacitance	C _j	V _R = 10V, f = 1.0MHz	820	—	pF
Thermal Resistance	R _{th(j-c)}	DC Total, Junction to Case	—	1.2	°C/W

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

MARKING



※1	MARK	30FWJ2C	TYPE	30FWJ2C48M, U30FWJ2C48M
※2	M			
※3	Lot Number  — Month (Starting from Alphabet A) — Year (Last Number of the Christian Era)			

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