

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

# 20FWJ2C48M, U20FWJ2C48M

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 :  $I_O = 20A$
- Low Switching Losses and Output Noise.

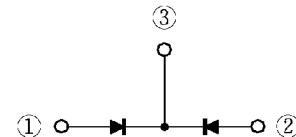
Unit in mm

20FWJ2C48M		U20FWJ2C48M	
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	$I_O$	20	A
Peak One Cycle Surge Forward Current (Sine Wave)	$I_{FSM}$	200 (50Hz)	A
		220 (60Hz)	
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C

POLARITY



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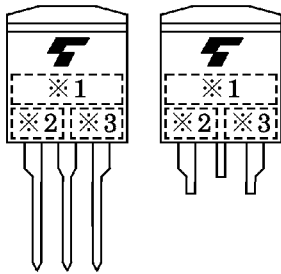
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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

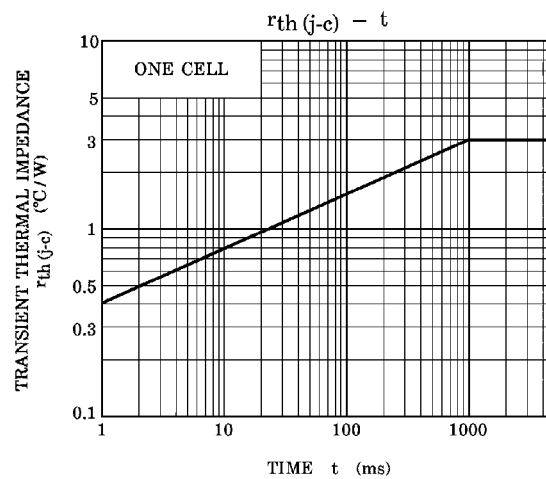
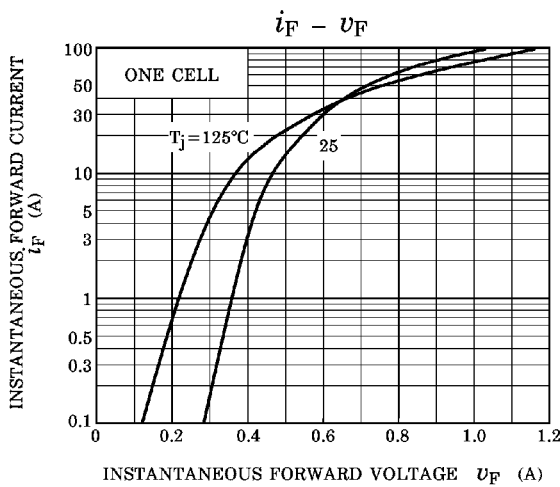
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	V <sub>FM</sub>	I <sub>FM</sub> = 10A	—	0.47	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> = Rated	—	10	mA
Junction Capacitance	C <sub>j</sub>	V <sub>R</sub> = 10V, f = 1.0MHz	680	—	pF
Thermal Resistance	R <sub>th(j-c)</sub>	DC Total, Junction to Case	—	1.5	°C/W

V<sub>FM</sub>, I<sub>RRM</sub>, C<sub>j</sub> : A value of one cell.

MARKING



※1	MARK	20FWJ2C	TYPE	20FWJ2C48M, U20FWJ2C48M
※2	M			
※3	Lot Number			
	□ □ -Month (Starting from Alphabet A)			
	└─ Year (Last Number of the Christian Era)			



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