TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

10FWJ2C48M,U10FWJ2C48M

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

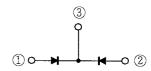
Peak Forward Voltage : VFM≤0.47V
 Repetitive Peak Reverse Voltage : VRRM=30V
 Average Output Rectified Current : IO=10A
 Low Switching Losses and Output Noise.

Unit in mm 10FWJ2C48M U10FWJ2C48M 10.3 MAX 10.3 MAX 1.32 10.6 MAX. 2.5 MAX 0.76 1.6 MAX 2.54 ± 0.25 2.54 ± 0.25 2.54 ± 0.25 ANODE ANODE 2. ANODE 2. ANODE 3. CATHODE CATHODE **JEDEC JEDEC** EIAJ EIAJ 12-10D1A **TOSHIBA** 12-10D2A **TOSHIBA**

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	VRRM	30	V	
Average Output Rectified Current	lo	10	А	
Peak One Cycle Surge Forward Current (Sine Wave)	IFSM	100 (50Hz)	А	
		110 (60Hz)		
Junction Temparature	Tj	-40~125	°C	
Storage Temparature Range	T _{stg}	-40~150	°C	

POLARITY

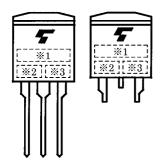


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

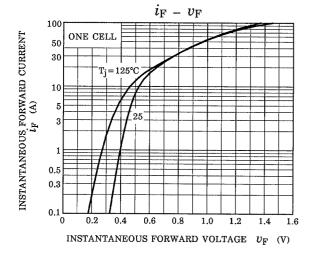
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	VFM IFM=5A		_	_	0.47	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} =30V		_	3.5	mA
Junction Capacitance	Сј	V _R =10V, f=1.0MHz	_	290	_	pF
Thermal Resistance	R _{th} (j-c)	DC Total, Junction to Case		_	2.2	°C/W

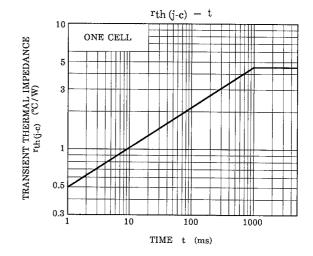
 V_{FM} , I_{RRM} , C_j : A Value of one cell.

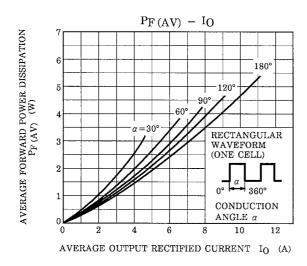
MARKING

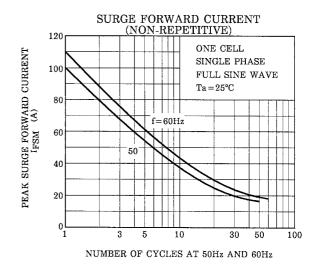


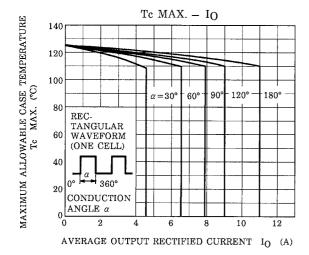
* 1	MARK	10FWJ2C	TYPE	10FWJ2C48M,U10FWJ2C48M		
* 2	М					
* 3	Lot Number Month (Starting from Alphabet A) Year (Last Number of the Christian Era)					

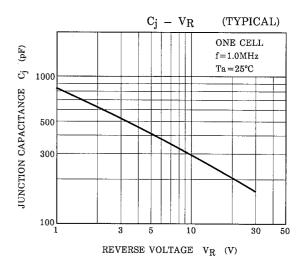


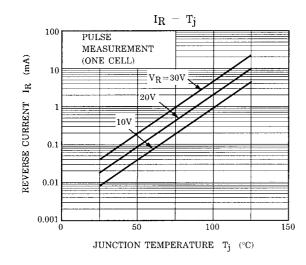


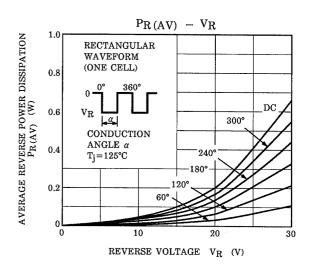












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