

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

10GWJ2C48C,U10GWJ2C48C

SWITCHING MODE POWER SUPPLY APPLICATION
 CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : $V_{RRM}=40V$
- Average Output Rectified Current : $I_O=10A$
- Low Switching Losses and Output Noise.

Unit in mm

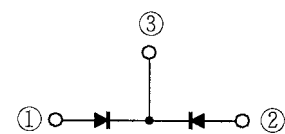
10GWJ2C48C	U10GWJ2C48C
JEDEC —	JEDEC —
EIAJ —	EIAJ —
TOSHIBA 12-10D1A	TOSHIBA 12-10D2A

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Repetitive Peak Reverse Surge Voltage (Note 1)	V_{RRSM}	48	V
Average Output Rectified Current	I_O	10	A
Peak One Cycle Surge Forward Current (Sine Wave)	I_{FSM}	100 (50Hz)	A
		110 (60Hz)	
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~150	°C

Note 1 : Pulse Width (t_w) \leq 500ns, duty (t_w / T) \leq 1 / 25

POLARITY

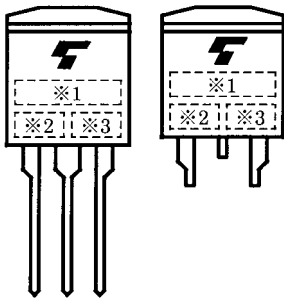




ELECTRICAL CHARACTERISTICS (Ta = 25°C)

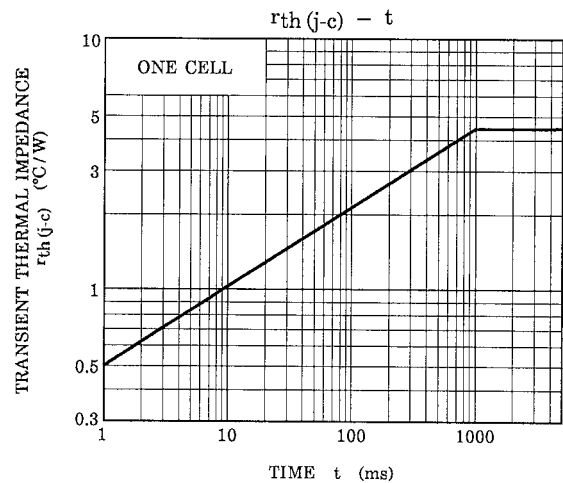
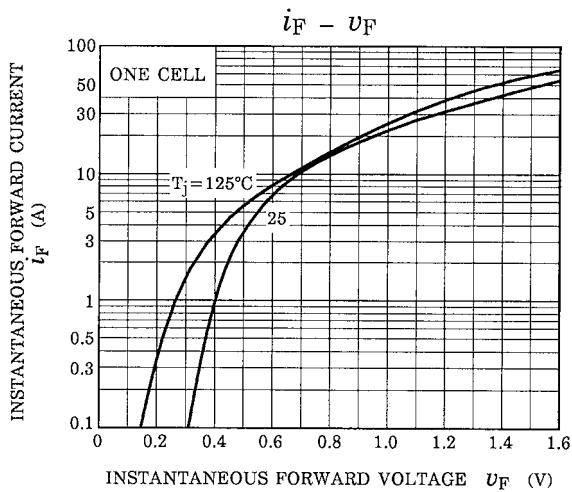
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} =5A	—	—	0.55	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} =Rated	—	—	3.5	mA
Junction Capacitance	C _j	V _R =10V, f=1.0MHz	—	195	—	pF
Thermal Resistance	R _{th(j-c)}	DC Total, Junction to Case	—	—	2.2	°C/W

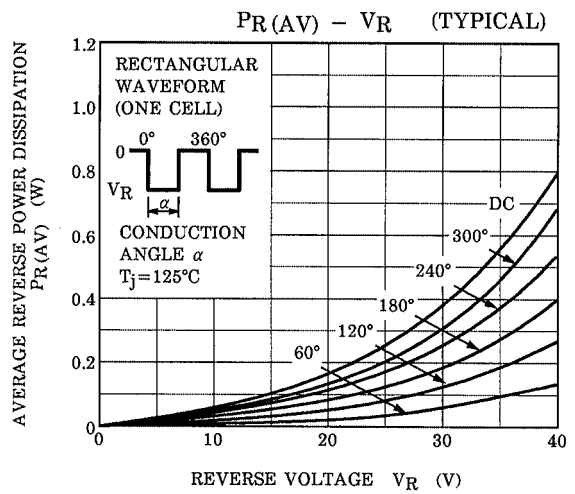
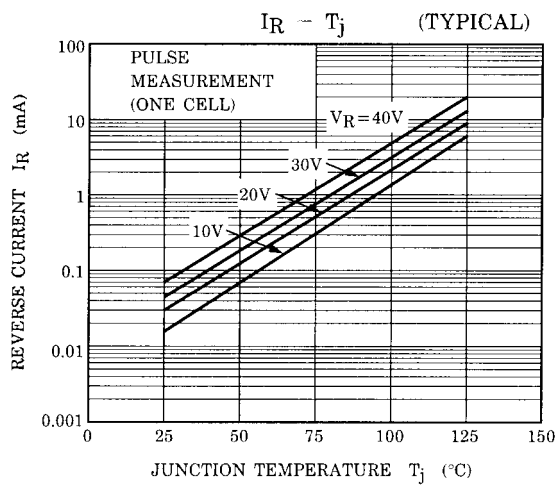
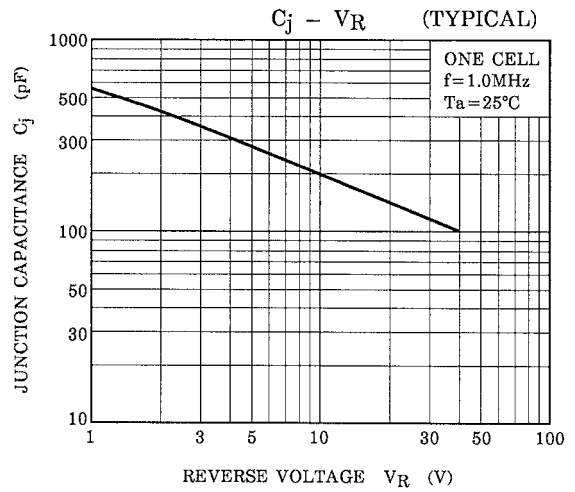
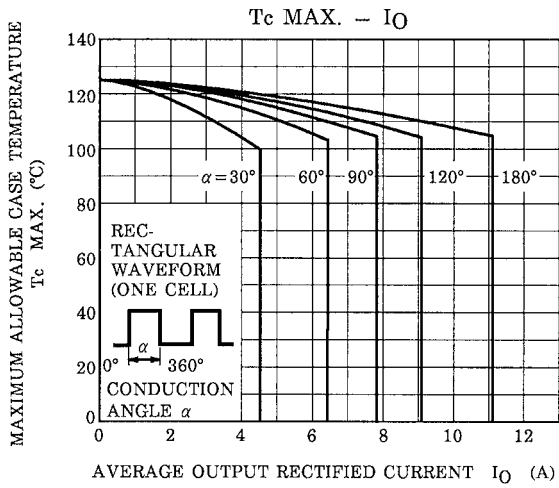
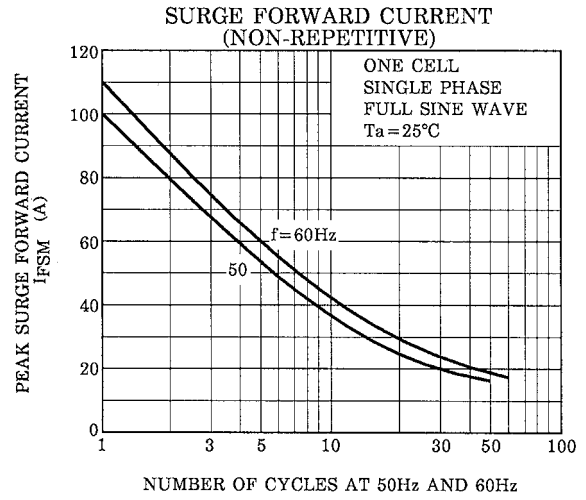
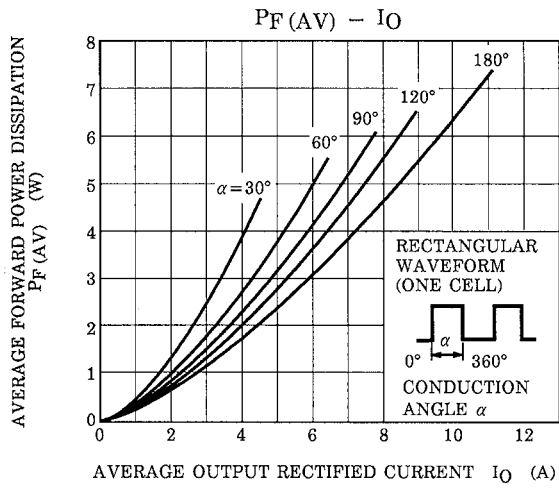
V_{FM}, I_{RRM}, C_j: A Value of one cell.

MARKING



* 1	MARK	10GWJ2C	TYPE	10GWJ2C48C,U10GWJ2C48C
* 2	C			
* 3	Lot Number  — Month (Starting from Alphabet A)  — Year (Last Number of the Christian Era)			





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000707EAA

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