

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

5GWJ2C48C, U5GWJ2C48C

SWITCHING TYPE POWER SUPPLY APPLICATION
 CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : $V_{RRM}=40V$
- Average Output Rectified Current : $I_O=5A$
- Low Switching Losses and Output Noise.

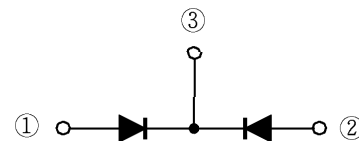
Unit in mm

5GWJ2C48C		U5GWJ2C48C	
JEDEC	—	JEDEC	—
EIAJ	—	EIAJ	—
TOSHIBA	12-10D1A	TOSHIBA	12-10D2A

MAXIMUM RATINGS

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	5	A
Peak One Cycle Surge Forward Current (Sin Wave)	I_{FSM}	50 (50Hz)	A
		55 (60Hz)	
Junction Temperature	T_j	-40~125	°C
Storage Temperature Range	T_{stg}	-40~150	°C

POLARITY



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

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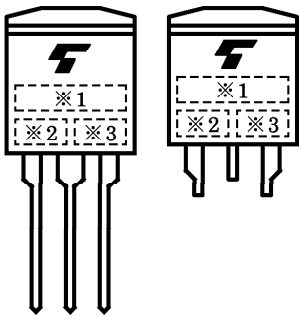
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
ELECTRICAL CHARACTERISTIC(Ta = 25°C)

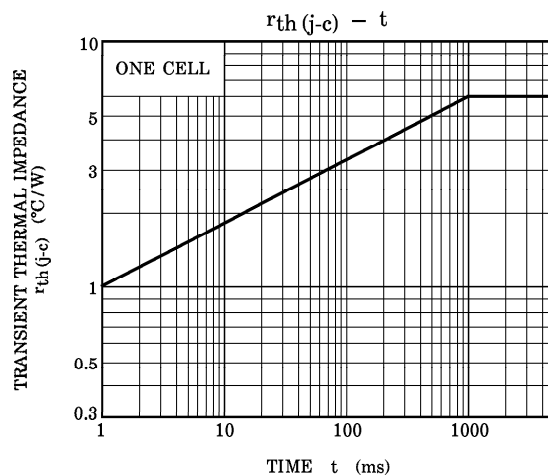
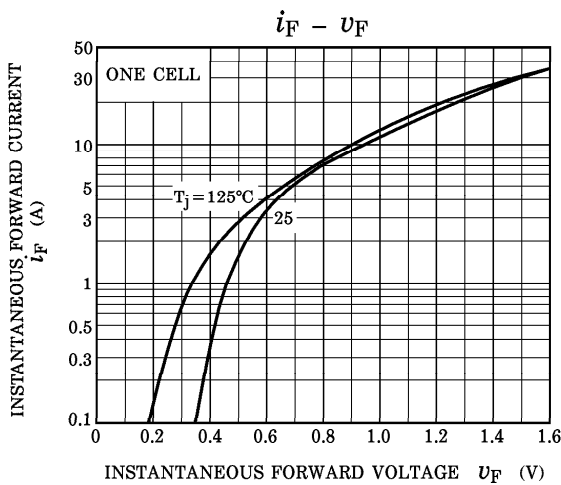
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 2.5A	—	0.55	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} = Rated	—	3.5	mA
Junction Capacitance	C _j	V _R = 10V, f = 1.0MHz	100	—	pF
Thermal Resistance	R _{th(j-c)}	DC Total, Junction to Case	—	3.0	°C/W

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

MARKING



※1	MARK	5GWJ2C	TYPE	5GWJ2C48C, U5GWJ2C48C
※2	C			
※3	Lot Number  — Month (Starting from Alphabet A) — Year (Last Number of the Christian Era)			



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