

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

# 10GWJ2C48C, U10GWJ2C48C

SWITCHING TYPE 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.

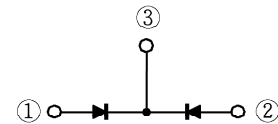
Unit in mm

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

**MAXIMUM RATINGS**

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) 110 (60Hz)	A
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C

**POLARITY**



(Note 1) Pulse Width ( $t_w$ ) ≤ 500ns, duty ( $t_w/T$ ) ≤ 1/25

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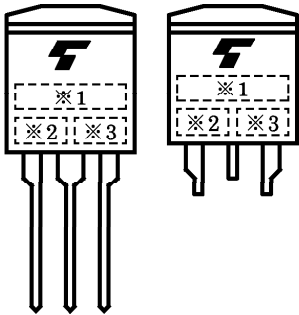
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
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

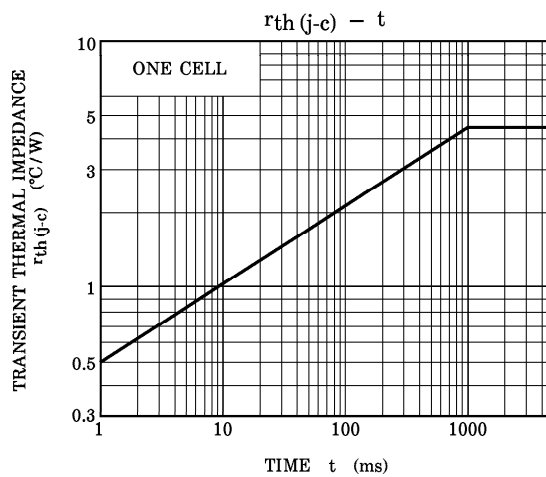
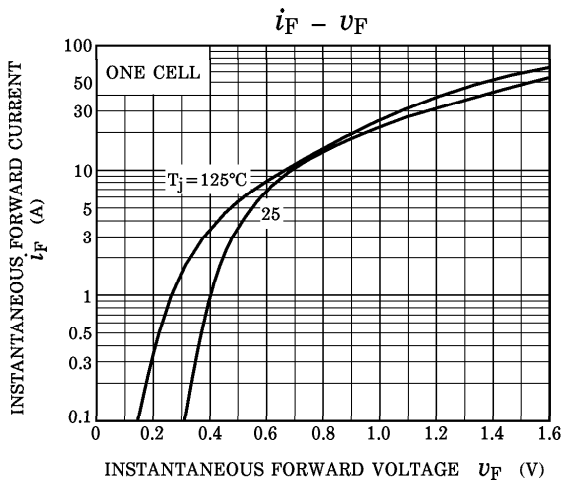
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 5A$	—	—	0.55	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = \text{Rated}$	—	—	3.5	mA
Junction Capacitance	$C_j$	$V_R = 10V, f = 1.0MHz$	—	195	—	pF
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction 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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