

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.

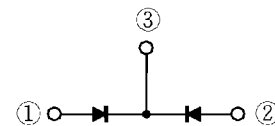
Unit in mm

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)	A
		110 (60Hz)	
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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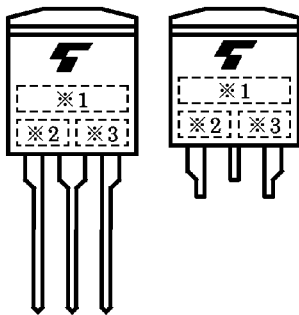
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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} = 5A	—	—	0.55	V
Repetitive Peak Reverse Current	I _{R_{RM}}	V _{R_{RM}} = 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_{R_{RM}}, C_j : A value of one cell.

MARKING



*1	MARK	10GWJ2C	TYPE	10GWJ2C48C, U10GWJ2C48C
*2	C			
*3	Lot Number <input type="checkbox"/> <input type="checkbox"/> — Month (Starting from Alphabet A) _____ Year (Last Number of the Christian Era)			

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