

5GWJ2C48C,U5GWJ2C48C

SWITCHING MODE POWER SUPPLY APPLICATION CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : VRRM=40V
- Average Output Rectified Current : IO=5A
- Low Switching Losses and Output Noise.

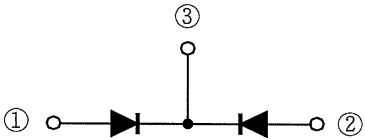
5GWJ2C48C		U5GWJ2C48C	
JEDEC	—	JEDEC	—
EIAJ	—	EIAJ	—
TOSHIBA	12-10D1A	TOSHIBA	12-10D2A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	VRRM	40	V
Repetitive Peak Reverse Surge Voltage (Note 1)	VRRSM	48	V
Average Output Rectified Current	IO	5	A
Peak One Cycle Surge Forward Current (Sin Wave)	IFSM	50 (50Hz) 55 (60Hz)	A
Junction Temperature	Tj	-40~125	°C
Storage Temperature Range	Tstg	-40~150	°C

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

POLARITY



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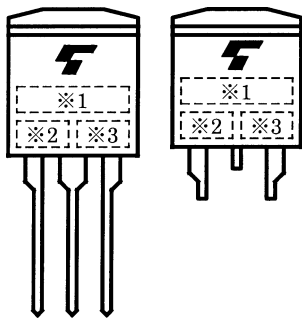
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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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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