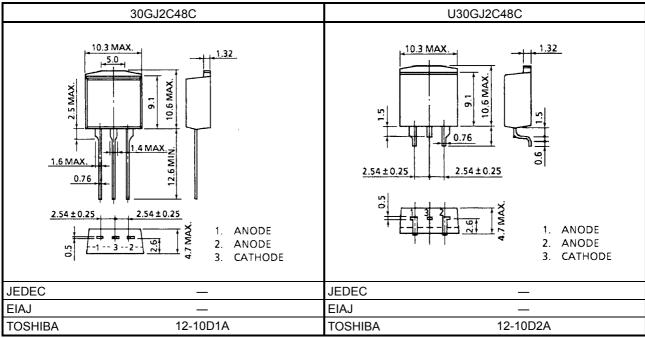
TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

30GWJ2C48C,U30GWJ2C48C

SWITCHING MODE POWER SUPPLY APPLICATION CONVERTER & CHOPPER APPLICATION

• Low Switching Losses and Output Noise.

Unit in mm

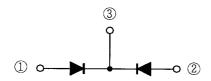


MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	40	V	
RepetitivePeakReverseSurge DVoltage (Note 1)	V _{RRSM}	48	V	
Average Output Rectified Current	lo	30	Α	
Peak One Cycle Surge Forward	I _{FSM}	300 (50Hz)	Α	
Current (Sine Wave)		330 (60Hz)		
Junction Temperature	Tj	-40~125	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	

Note 1 : Pulse Width $(t_W) \le 500$ ns, duty $(t_W/T) \le 1/25$

POLARITY

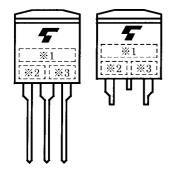


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

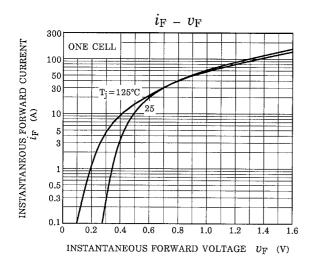
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} =15A	_	0.55	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} =Rated	-	15	mA
Junction Capacitance	C _j	V _R =10V, f=1.0MHz	600	_	pF
Thermal Resistance	R _{th (j-c)}	DC Total, Junction to Case	_	1.2	°C/W

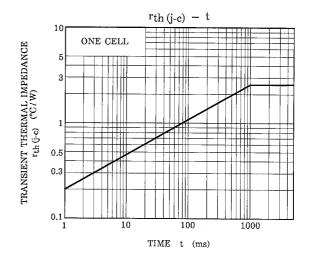
 $V_{FM},\,I_{RRM},\,C_{j}$: A value of one cell.

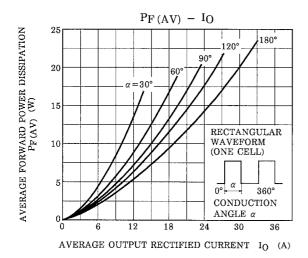
MARKING

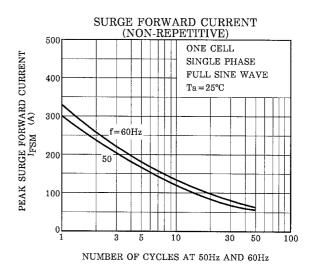


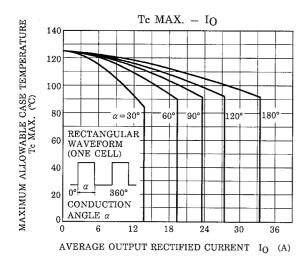
*1	MARK	30GWJ2C	TYPE	30GWJ2C48C, U30GWJ2C48C			
*2	С						
*3	Lot Number Month (Starting from Alphabet A) Year (Last Number of the Christian Era)						

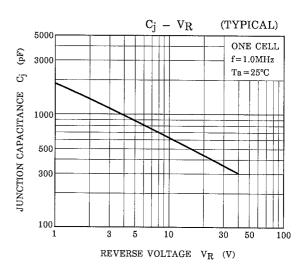


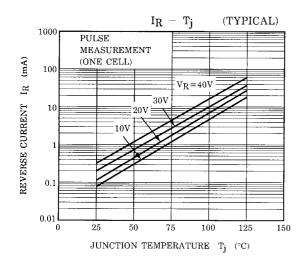


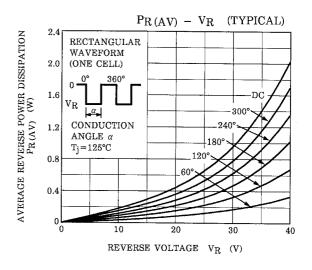












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RESTRICTIONS ON PRODUCT USE

000707EAA

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