TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

30GWJ2C42C

SWITCHING MODE POWER SUPPLY APPLICATION **CONVERTER & CHOPPER APPLICATION**

• Repetitive Peak Reverse Voltage $: V_{RRM} = 40V$ • Average Output Rectified Current : IO = 30A

Low Switching Losses and Output Noise.

MAXIMUM RATINGS (Ta = 25°C)

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	IO	30	Α	
Peak One Cycle Surge Forward	I	300 (50Hz)	А	
Current (Sine Wave)	^I FSM	330 (60Hz)		
Junction Temperature	Tj	-40~125	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	
Screw Torque	_	0.8	N·m	

Unit: mm $\phi 3.2 \pm 0.2$ 5.45 ± 0.2 **ANODE** ANODE CATHODE **JEDEC** JEITA **TOSHIBA** 12-16D1A

Weight: 4.85 g

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

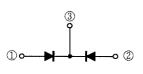
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

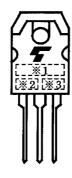
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN	TYP.	MAX
Peak Forward Voltage (N	lote 2)	V_{FM}	I _{FM} = 15A	_	0.55	V
Repetitive Peak Reverse Curren (N	nt Note 2)	I _{RRM}	V _{RRM} = Rated	-	15	mA
Junction Capacitance (N	lote 2)	Cj	V _R = 10V, f = 1.0MHz	600	_	pF
Thermal Resistance		R _{th (j-c)}	DC Total, Junction to Case	_	1.0	°C/W

Note 2: A value of one cell.

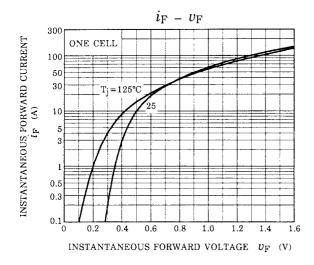
POLARITY

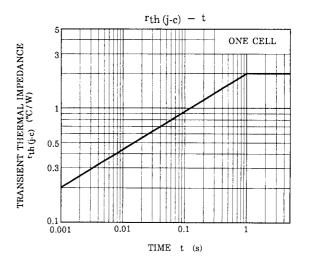


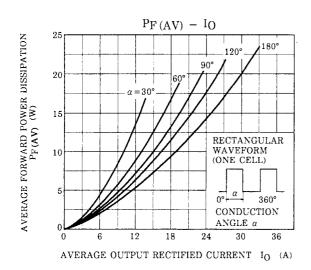


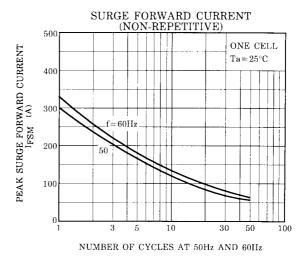


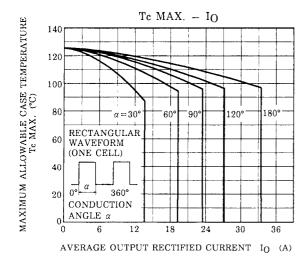
* 1	MARK	30GWJ2C	TYPE	30GWJ2C42C				
* 2	M							
* 3	Lot Number Month (Starting from Alphabet A) Year (Last Number of the Christian Era)							

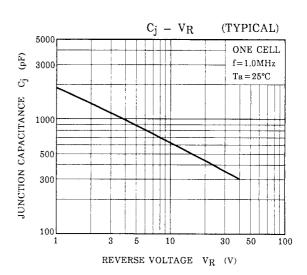




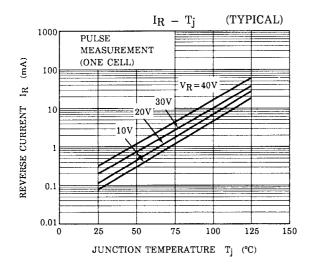


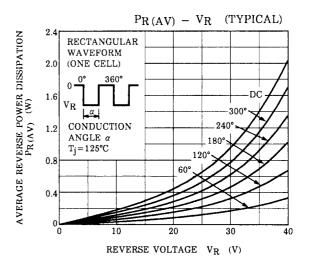






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