TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

2GWJ2C42,U2GWJ2C42

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

 Average Output Rectified Current $: I_0 = 2 A$ Repetitive Peak Reverse Voltage $: V_{RRM} = 40 V$

Low Switching Losses and Output Noise

MAXIMUJM RATAINGS (Ta = 25°C)

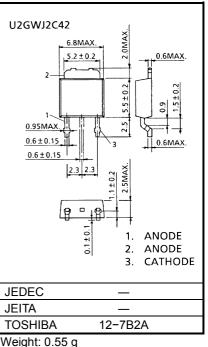
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V _{RRM}	40	V	
Average Output Rectified Current	Io	2	Α	
Peak One Cycle Surge Forward Current (Sine Wave)	I _{FSM}	15 (50Hz)	А	
		16.5 (60Hz)		
Junction Temparature	Tj	-40~125	°C	
Storage Temparature Range	T _{stg}	-40~150	°C	

Unit: mm 2GWJ2C42 5.2 ± 0.2 0.6MAX. 0.6 ± 0.15 0.95MAX 0.6MAX. **ANODE** ANODE CATHODE **JEDEC** JEITA **TOSHIBA** 12-7B1A

ELECTRICALI CHARACTERISTICS (Ta = 25°C)

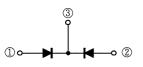
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage (Note 1)	V_{FM}	I _{FM} = 1.0A	_	0.55	V
Repetitive Peak ReverseCurrent (Note 1)	I _{RRM}	V _{RRM} = 40V	ı	1.0	mA
Junction Capacitance (Note 1)	C _j	V _R = 10 V, f = 1 MHz	45	_	pF
Thermal Resistance (Junction to Case)	R _{th (j−c)}	DC	-	8	°C/W
Thermal Resistance (junction to Ambient)	R _{th (j−a)}	DC (250 mm × 0.8 mm Ceramic)	ı	125	°C/W

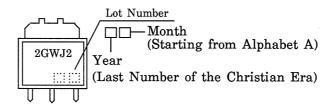
Note 1: A value of one cell.



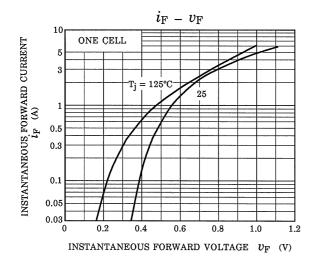
POLARITY

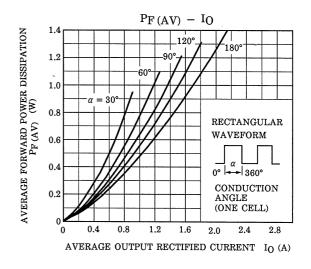
MARKING

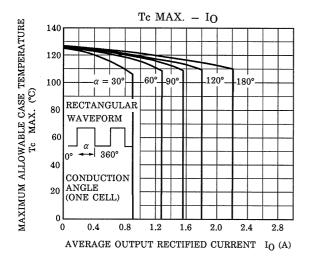


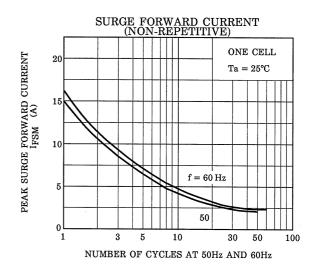


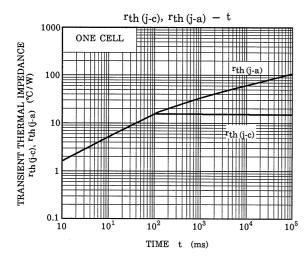
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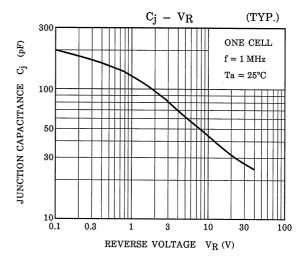




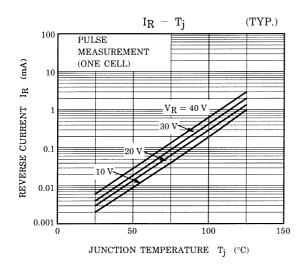


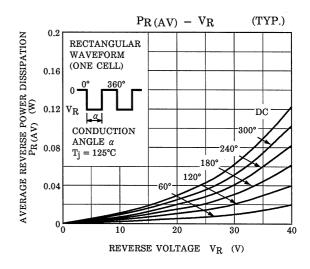






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