Unit: mm

TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

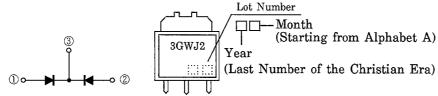
3GWJ2C42,U3GWJ2C42

SWITCHING MODE POWER SUPPLY APPLICATION CONVERTER & CHOPPER APPLICATION

• Average Output Rectified Current $: I_O = 3 A$ • Repetitive Peak Reverse Voltage $: V_{RRM} = 40 V$

• Low Switching Losses and Output Noise.

POLARITY MARKING



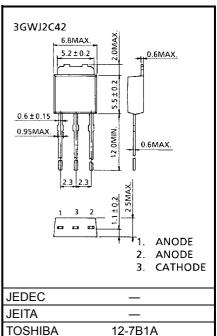
MAXIMUM RATINGS (Ta = 25°C)

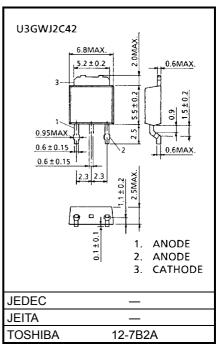
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	40	V	
Average Output Rectified Current	Io	3	Α	
Peak One Cycle Surge Forward Current (Sine Wave)	I _{FSM}	15 (50 Hz)	Α	
		16.5 (60 Hz)		
Junction Temperature	Tj	-40~125	°C	
Storage Temperature Range	T _{stg}	-40~150	°C	

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

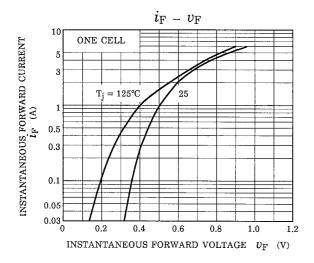
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage (Note 1)	V _{FM}	I _{FM} = 1.5 A	_	0.55	٧
Repetitive Peak Reverse Current (Note 1)	I _{RRM}	V _{RRM} = 40 V	_	2.0	mA
Junction Capacitance (Note 1)	Cj	V _R = 10 V, f = 1 MHz	62	ı	pF
Thermal Resistance (Junction to Case)	R _{th (j-c)}	DC	-	7	°C/W
Thermal Resistance (Junction to Ambient)	R _{th (j−a)}	DC (250 mm × 0.8 mm Ceramic)	_	125	°C/W

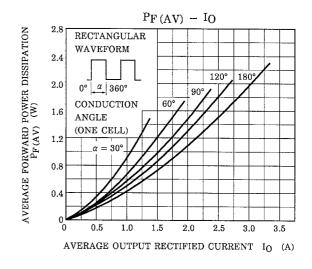
Note 1: A value of one cell.

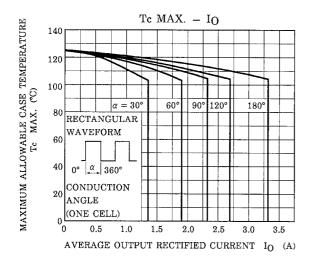


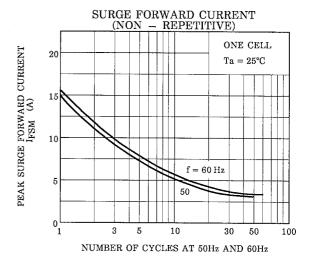


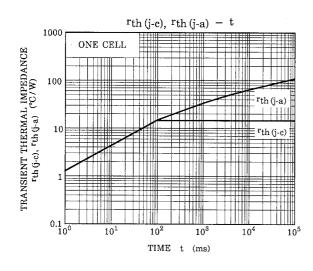
Weight: 0.55g

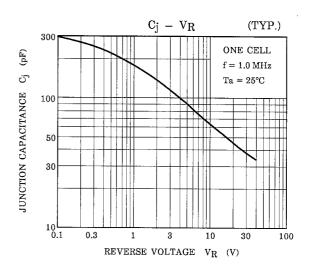


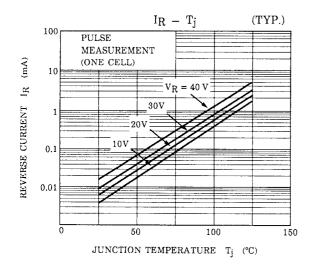


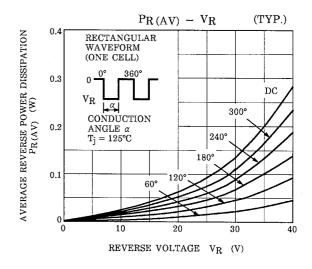












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