TOSHIBA RECTIFIER STACK SILICON DIFFUSED TYPE

## 1B4B42, 1G4B42, 1J4B42

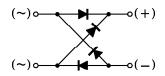
SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS

Unit in mm

• Repetitive Peak Reverse Voltage :  $V_{RRM} = 100 \sim 600 V$ 

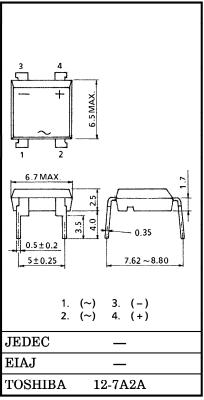
• Average Output Rectified Current : IO=1.0A (Ta=25°C)

**POLARITY** 



## **MAXIMUM RATINGS**

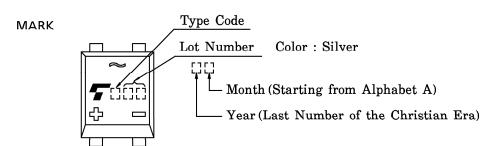
CHARACTERISTI	SYMBOL	RATINGS	UNIT		
Repetitive Peak Reverse Voltage	1B4B42		100	V	
	1G4B42	$v_{RRM}$	400		
	1J4B42		600		
Average Output Rectified Current		IO	1.0	Α	
Peak One Cycle Surge Forward Current (Non Repetitive)		$I_{FSM}$	30 (50Hz)	A	
			33 (60Hz)		
Junction Temperature	$T_{j}$	-40~150	°C		
Storage Temperature Range		$\mathrm{T_{stg}}$	-40~150	°C	



Weight: 0.3g

## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

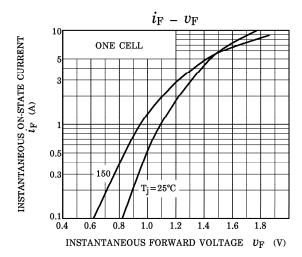
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$ m v_{FM}$	$I_{ extbf{FM}} = 0.5  extbf{A}$	_		1.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	V <sub>RRM</sub> =Rated	_	_	10	$\mu$ A
Thermal Resistance (Junction to Ambient)	$ m R_{th~(j-a)}$	DC	_	_	75	°C/W

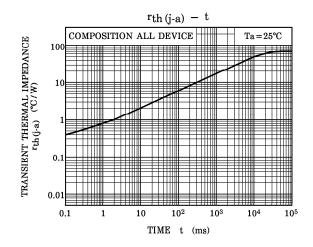


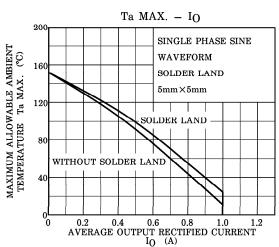
CODE	TYPE
В	1B4B42
G	1G4B42
J	1J4B42

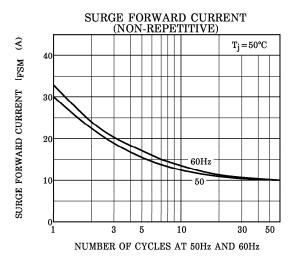
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