TOSHIBA RECTIFIER STACK SILICON DIFFUSED TYPE

U1B4B42, U1G4B42, U1J4B42

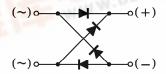
SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS.

Unit in mm

• Repetitive Peak Reverse Voltage : V_{RRM}=100~600V

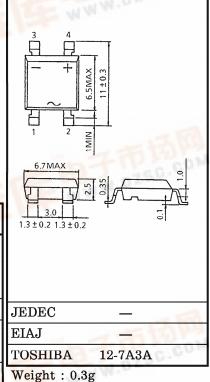
• Average Output Rectified Current : I_{0 (AV)} = 1.0A (Ta = 25°C)

POLARITY



MAXIMUM RATINGS

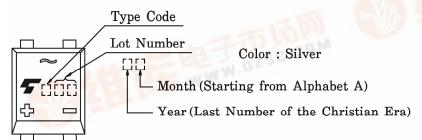
CHARACTERISTIC		SYMBOL	RATINGS	UNIT	
D D .	U1B4B42	7777	100	V	
Repetitive Peak Reverse Voltage	U1G4B42	$v_{ m RRM}$	400		
	U1J4B42		600		
Average Output Rectified Current		IO	1.0	A	
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	30 (50Hz)	A	
			33 (60Hz)		
Junction Temperature		$\mathbf{T}_{\mathbf{j}}$	-40~150	°C	
Storage Temperature Range		${ m T_{stg}}$	-40 ~1 50	°C	



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	v_{FM}	$I_{ extbf{FM}} = 0.5 extbf{A}$	_	1.0	V
Repetitive Peak Reverse Current	$I_{ m RRM}$	$ m V_{RRM}\!=\!Rated$	1	10	μ A
Thermal Resistance (Junction to Ambient)	R _{th (j-a)}	DC	3	75	°C/W

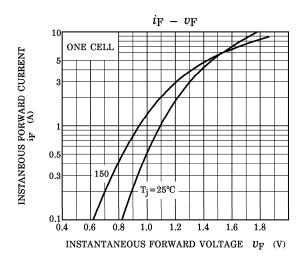
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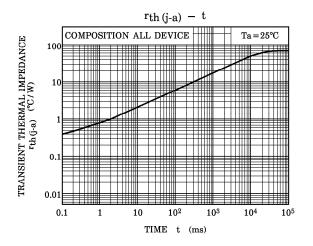


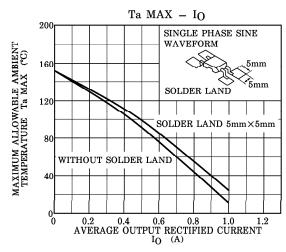
CODE	TYPE
В	U1B4B42
G	U1G4B42
J	U1J4B42

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