

TOSHIBA RECTIFIER STACK SILICON DIFFUSED TYPE

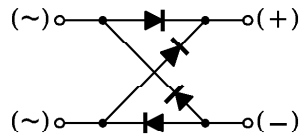
# 1B4B42, 1G4B42, 1J4B42

SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS

Unit in mm

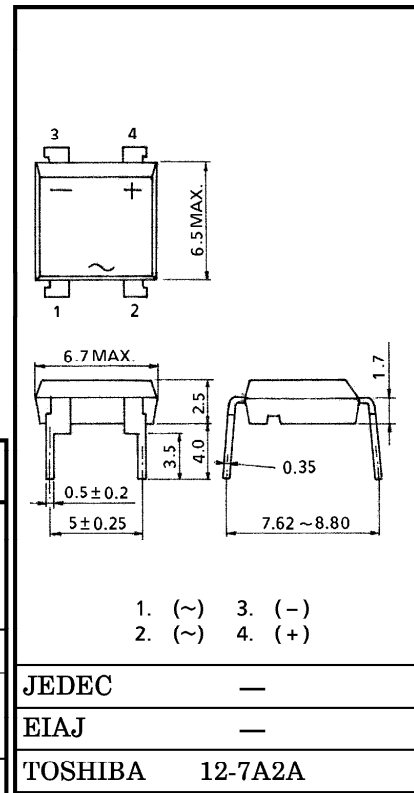
- Repetitive Peak Reverse Voltage :  $V_{RRM}=100\sim 600V$
- Average Output Rectified Current :  $I_O=1.0A$  ( $T_a=25^\circ C$ )

**POLARITY**



**MAXIMUM RATINGS**

CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	1B4B42	$V_{RRM}$	100	V
	1G4B42		400	
	1J4B42		600	
Average Output Rectified Current		$I_O$	1.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)		$I_{FSM}$	30 (50Hz)	A
			33 (60Hz)	
Junction Temperature		$T_j$	-40~150	$^\circ C$
Storage Temperature Range		$T_{stg}$	-40~150	$^\circ C$



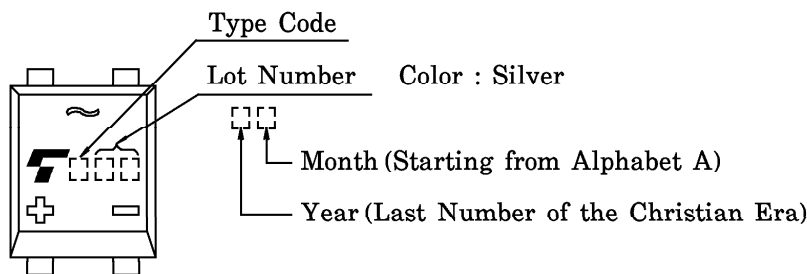
JEDEC	—
EIAJ	—
TOSHIBA	12-7A2A

Weight : 0.3g

**ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )**

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM}=0.5A$	—	—	1.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}=\text{Rated}$	—	—	10	$\mu A$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	75	$^\circ C/W$

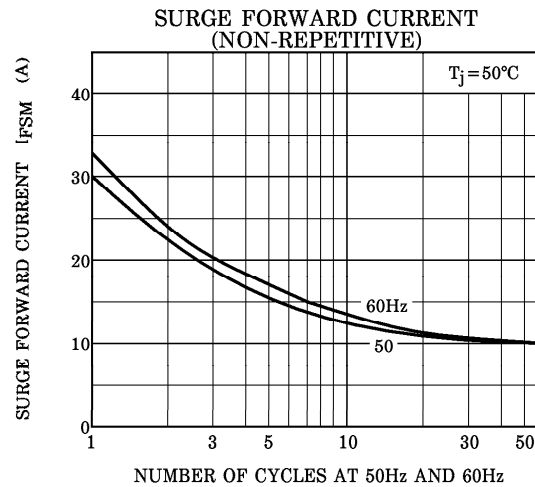
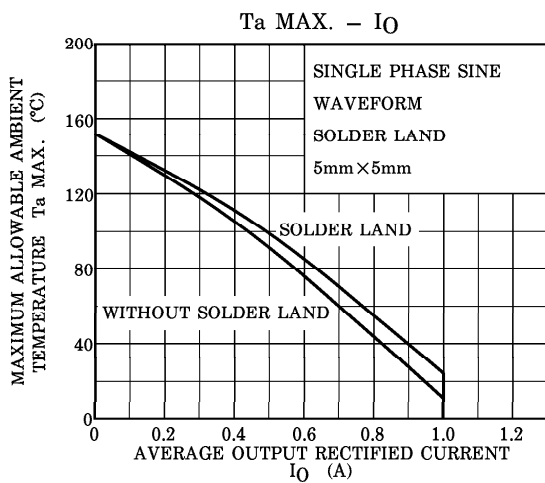
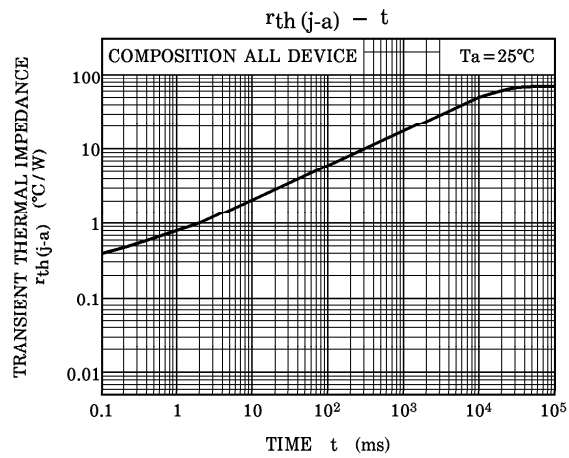
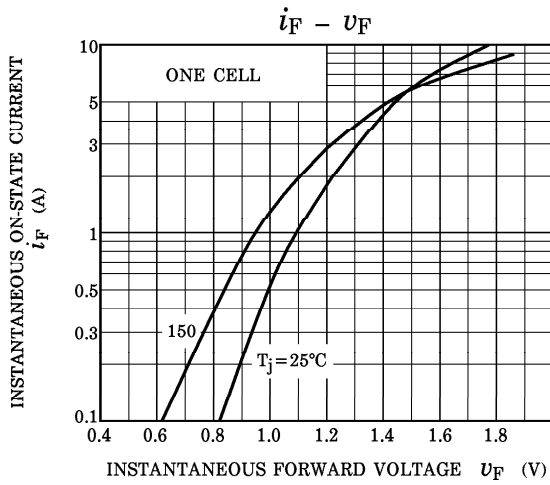
**MARK**



CODE	TYPE
B	1B4B42
G	1G4B42
J	1J4B42

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