

TOSHIBA RECTIFIER STACK SILICON DIFFUSED TYPE

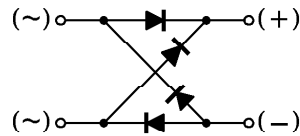
1B4B42, 1G4B42, 1J4B42

SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS

Unit in mm

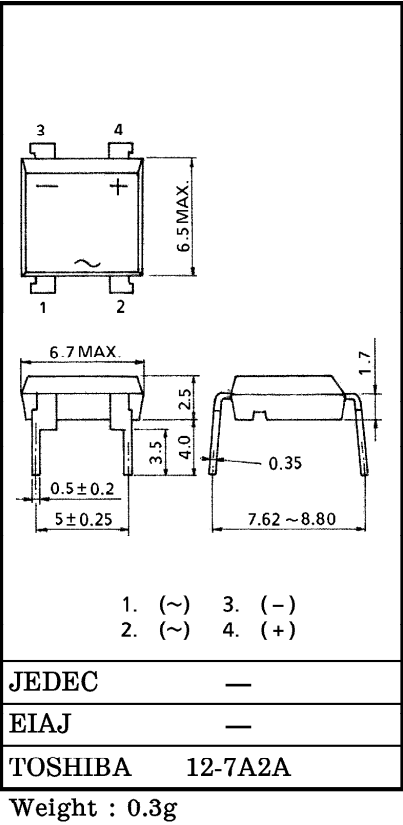
- Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim600V$
- Average Output Rectified Current : $I_O=1.0A$ ($T_a=25^{\circ}C$)

POLARITY



MAXIMUM RATINGS

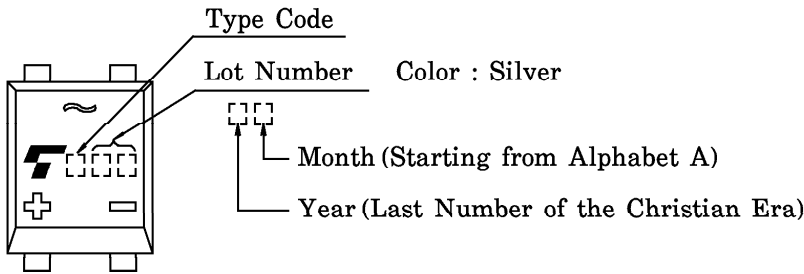
CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	1B4B42	V _{RRM}	100	V
	1G4B42		400	
	1J4B42		600	
Average Output Rectified Current		I _O	1.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I _{FSM}	30 (50Hz)	A
			33 (60Hz)	
Junction Temperature		T _j	− 40~150	°C
Storage Temperature Range		T _{stg}	− 40~150	°C



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	μA
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	75	$^{\circ}C/W$

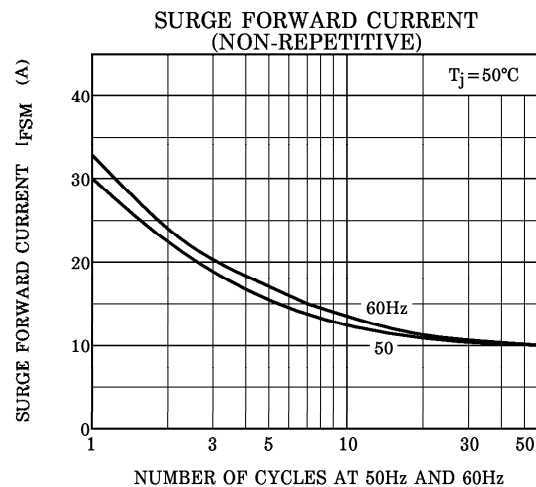
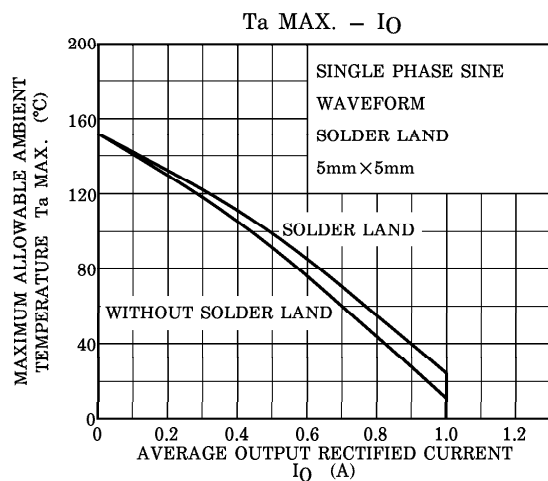
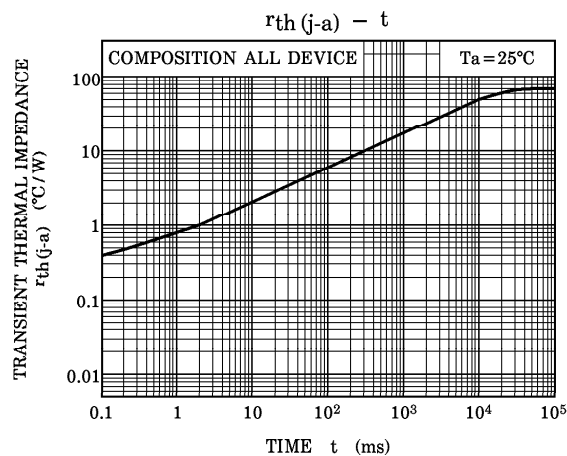
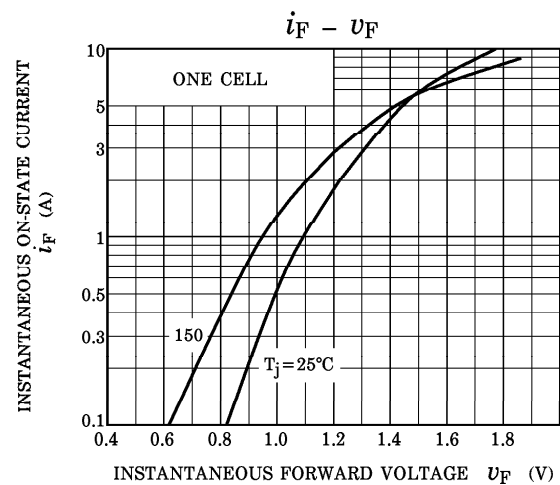
MARK



CODE	TYPE
B	1B4B42
G	1G4B42
J	1J4B42

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