

TOSHIBA RECTIFIER STACK SILICON DIFFUSED TYPE

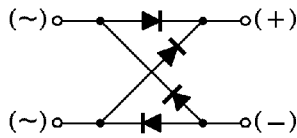
U1B4B42, U1G4B42, U1J4B42

○ SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS.

Unit in mm

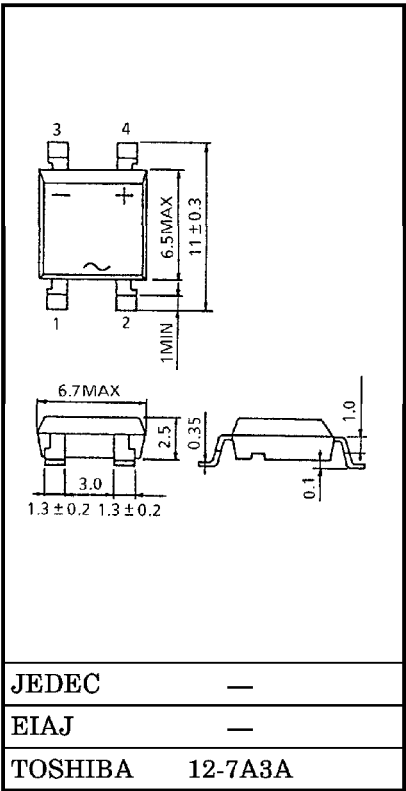
- Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim600V$
- Average Output Rectified Current : $I_o(AV)=1.0A(Ta=25^{\circ}C)$

POLARITY



MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	U1B4B42	V_{RRM}	100	V
	U1G4B42		400	
	U1J4B42		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

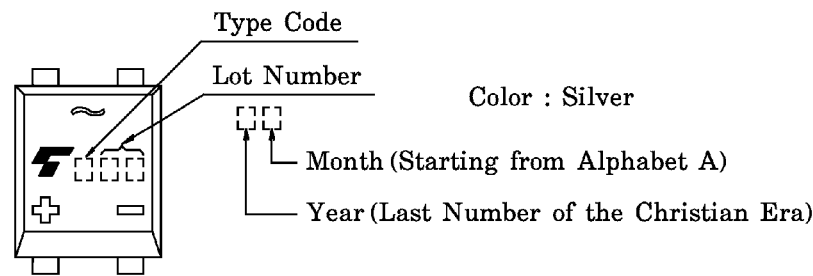


Weight : 0.3g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	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	°C / W

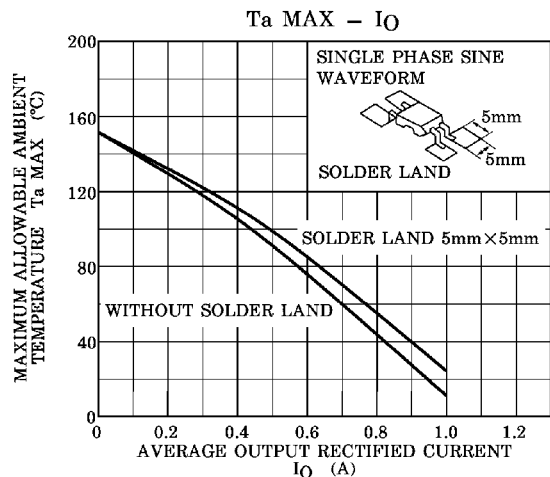
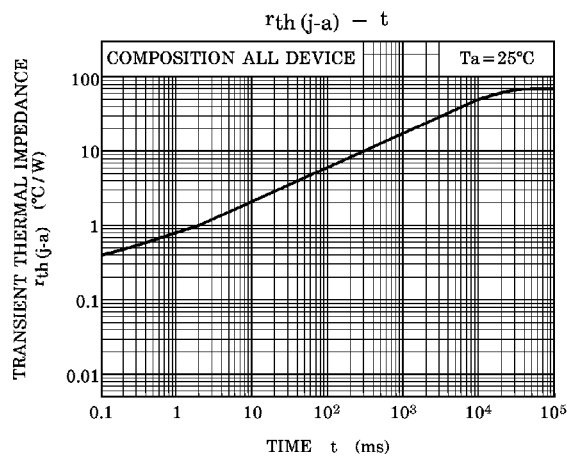
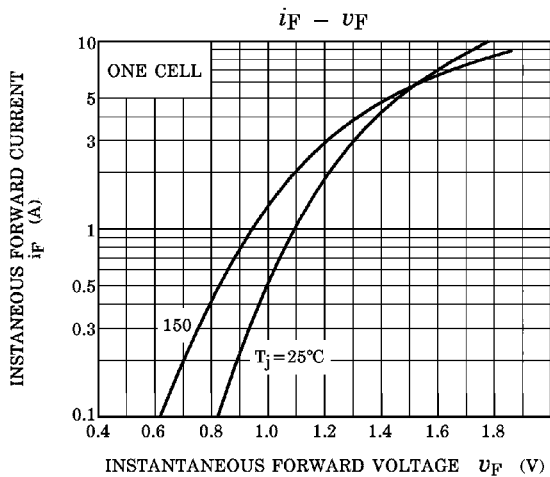
MARK



CODE	TYPE
B	U1B4B42
G	U1G4B42
J	U1J4B42

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