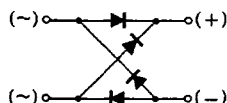


○ SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS.

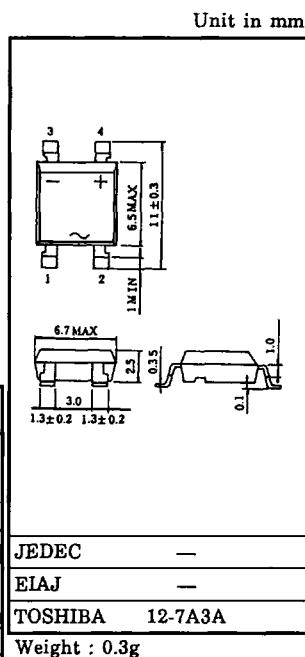
- Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim600V$
- Average Output Rectified Current : $I_O(AV)=1.0A$ ($T_a=25^{\circ}C$)

POLARITY



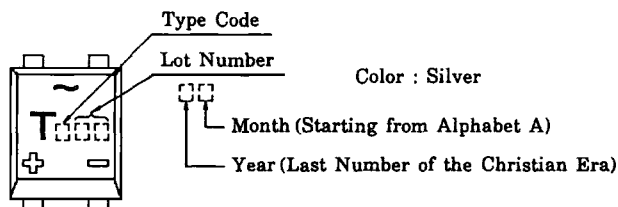
MAXIMUM RATINGS

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
Strage Temperature Range		T _{stg}	−40~150	°C

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

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	$^{\circ}C/W$

MARK



CODE	TYPE
B	U1B4B42
G	U1G4B42
J	U1J4B42

