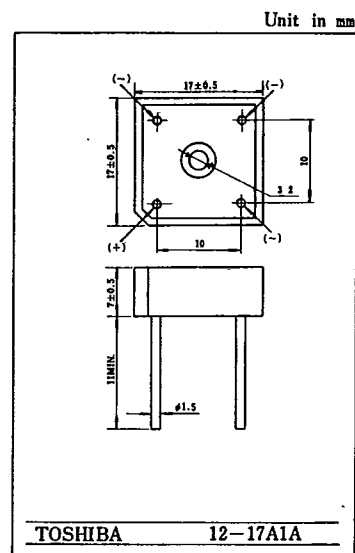
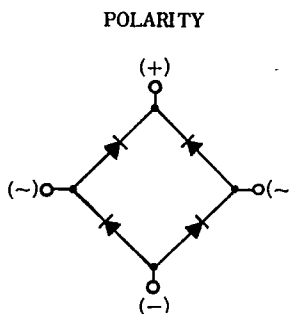


**4J4B41**      **600V**    **4A**

## MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	4B4B41	V <sub>RRM</sub>	100	V
	4D4B41		200	
	4G4B41		400	
	4J4B41		600	
Average Output Rectified Current	T <sub>A</sub> = 30°C	I <sub>O</sub>	3.0	A
	T <sub>I</sub> = 87°C		4.0	
Peak One Cycle Surge Forward Current (Non-Repetitive)		I <sub>FSM</sub>	150	A
Junction Temperature		T <sub>j</sub>	-40~150	°C
Storage Temperature Range		T <sub>stg</sub>	-40~150	°C
Screw Torque			5	kg cm

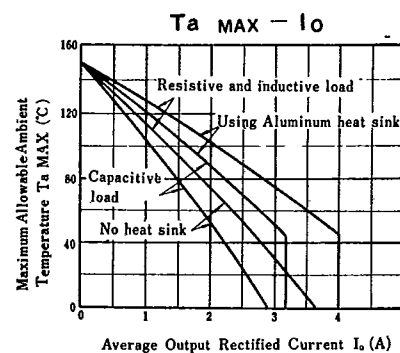


## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM}=6A$ , $T_a=25^{\circ}C$	—	1.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}=\text{Rated}$ , $T_j=25^{\circ}C$	—	10	$\mu A$
Thermal Resistance (Junction to Fin)	$R_{th(j-f)}$	DC	—	8.8	$^{\circ}C/W$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	23	$^{\circ}C/W$

**Note 1.** Fully coat the contact surface between the cooling fin and rectifier stack with silicon grease and contact them each other.

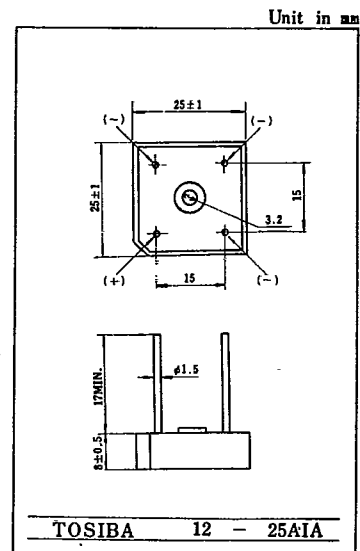
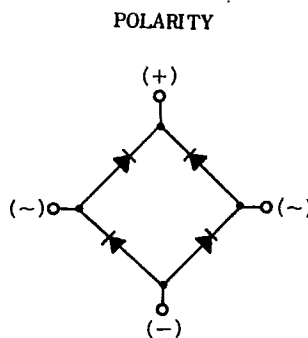
2.  $T_f$  : External cooling fin temperature.



6J4B41 600V 6A

## MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	6B4B41	$V_{RRM}$	100	V
	6D4B41		200	
	6G4B41		400	
	6J4B41		600	
Average Output Rectified Current	$T_a=30^{\circ}\text{C}$	$I_o$	3.8	A
	$T_r=104^{\circ}\text{C}$		6.0	
Peak One Cycle Surge Forward Current (Non-Repetitive)		$I_{FSM}$	200	A
Junction Temperature		$T_j$	-40~150	$^{\circ}\text{C}$
Storage Temperature Range		$T_{stg}$	-40~150	$^{\circ}\text{C}$
Screw Torque			7	kg cm



## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM}=9A, T_a=25^{\circ}C$	—	1.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}=\text{Rated}, T_j=25^{\circ}C$	—	10	$\mu A$
Thermal Resistance (Junction to Fin)	$R_{th(j-f)}$	DC	—	4.2	$^{\circ}C/W$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	18	$^{\circ}C/W$

**Note 1.** Coat the contact surface between the cooling fin and rectifier stack with silicon grease, and contact them each other.

**2.  $T_f$  :** External cooling fin temperature.

