

RECTIFIER STACK (BRIDGE)

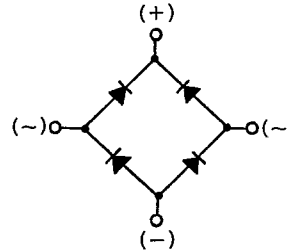
10J4B41

600V 10A

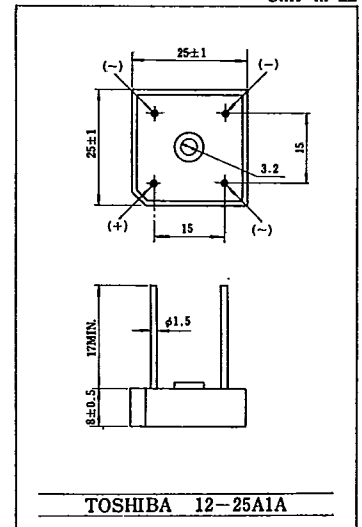
MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	10B4B41	100	V
	10D4B41	200	
	10G4B41	400	
	10J4B41	600	
Average Output Rectified Current	$T_a=30^\circ\text{C}$	4.3 A	A
	$T_f=80^\circ\text{C}$	10 A	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	200	A
Junction Temperature	T_j	$-40\sim 150$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-40\sim 150$	$^\circ\text{C}$
Screw Torque		7	kg cm

POLARITY



Unit in mm

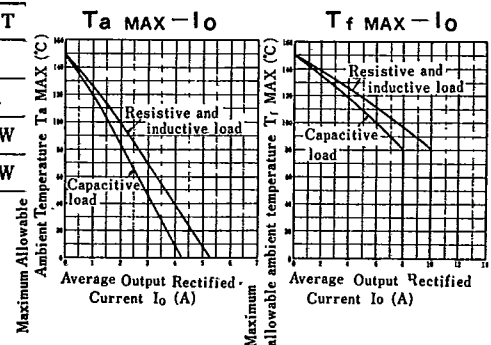


ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=15\text{A}, T_a=25^\circ\text{C}$	—	1.05	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=\text{Rated}, T_j=25^\circ\text{C}$	—	10	μA
Thermal Resistance (Junction to Fin)	$R_{th(j-f)}$	DC	—	3.6	$^\circ\text{C}/\text{W}$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	16	$^\circ\text{C}/\text{W}$

Notes : 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.



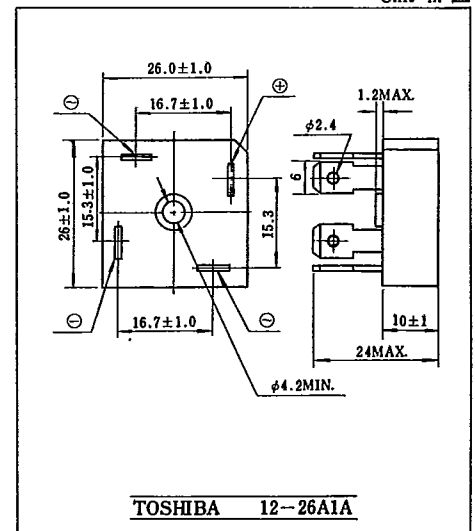
15J4B41

600V 15A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak reverse voltage	15B4B41	100	V
	15D4B41	200	
	15G4B41	400	
	15J4B41	600	
Average Output Rectified Current	$T_a=30^\circ\text{C}$	5.0	A
	$T_f=86^\circ\text{C}$	15	
Peak One Cycle Surge Current	I_{FSM}	250	A
Junction temperature	T_j	$-40\sim 150$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-40\sim 150$	$^\circ\text{C}$
Screw Torque		10	kg cm

Unit in mm



ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{RRM}	$I_{FM}=22\text{A}, T_a=25^\circ\text{C}$	—	1.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=\text{Rated}, T_j=25^\circ\text{C}$	—	10	μA
Thermal Resistance (Junction to Fin)	$R_{th(j-f)}$	DC	—	2.35	$^\circ\text{C}/\text{W}$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	15	$^\circ\text{C}/\text{W}$

Notes : 1. Fully coat the contact surface between the cooling fin and rectifier stack with silicon grease, and then contact them each other.

POLARITY

