

15J4B41

600V 15A

Unit in mm

## MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak reverse voltage	15B4B41	V <sub>RRM</sub>	100	V
	15D4B41		200	
	15G4B41		400	
	15J4B41		600	
Average Output Rectified Current	T <sub>a</sub> =30°C	I <sub>o</sub>	5.0	A
	T <sub>f</sub> =86°C		15	
Peak One Cycle Surge Current		I <sub>FSM</sub>	250	A
Junction temperature		T <sub>j</sub>	-40~150	°C
Storage Temperature Range		T <sub>stg</sub>	-40~150	°C
Screw Torque			10	kg cm

## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V <sub>RRM</sub>	I <sub>FM</sub> =22A, T <sub>a</sub> =25°C	—	1.0	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	-V <sub>RRM</sub> =Rated, T <sub>j</sub> =25°C	—	10	μA
Thermal Resistance (Junction to Fin)	R <sub>th(j-c)</sub>	DC	—	2.35	°C/W
Thermal Resistance (Junction to Ambient)	R <sub>th(j-a)</sub>	DC	—	15	°C/W

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

