

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	CONDITION	UNIT
Repetitive Peak Reverse Voltage	25B4B41	V_{RRM}	100	V
	25D4B41		200	
	25G4B41		400	
	25J4B41		600	
Average Output Rectified Current	$T_a=30^{\circ}\text{C}$	I_o	5.8	A
	$T_f=61^{\circ}\text{C}$		25	
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	400	A
Junction Temperature		T_j	-40~150	$^{\circ}\text{C}$
Storage Temperature Range		T_{stg}	-40~150	$^{\circ}\text{C}$
Screw Torque			10	kg cm

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=50\text{A}$, $T_a=25^{\circ}\text{C}$	-	1.1	V
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	-	1.9	$^{\circ}\text{C}/\text{W}$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	-	13	$^{\circ}\text{C}/\text{W}$

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

