

25J4B41 600V 25A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	CONDITION	UNIT
Repetitive Peak Reverse Voltage	25B4B41	100	V
	25D4B41	200	
	25G4B41	400	
	25J4B41	600	
Average Output Rectified Current	Ta=30°C	5.8	A
	Tj=61°C	25	
Peak One Cycle Surge Forward Current (Non-Repetitive)	IFSM	400	A
Junction Temperature	Tj	-40~150	°C
Storage Temperature Range	Tstg	-40~150	°C
Screw Torque		10	kg cm

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	VFM	IFM=50A, Ta=25°C	—	1.1	V
Peak Reverse Current	IRRM	VRRM=Rated, Tj=25°C	—	10	μA
Thermal Resistance (Junction to Fin)	Rth(j-f)	DC	—	1.9	°C/W
Thermal Resistance (Junction to Ambient)	Rth(j-a)	DC	—	13	°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.

