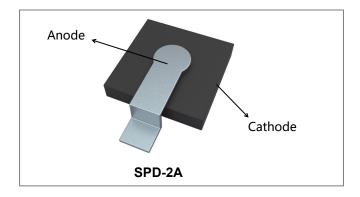


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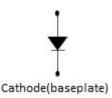
RoHS 🗭

Power Surface Mount Schottky Rectifier (135/150V, 60Amp)



Schematic & Pin Configuration

Anode(top leadframe)



Features

- 175 °C T_J operation
- Low forward voltage drop
- High surge capacities
- High frequency operation
- Guaranteed reverse avalanche capability
- Low profile surface mount package
- Base plate: Pure Sn plated; Terminals: Pure Sn plated
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Applications

- Switching power supply
- Redundant power subsystems
- Reverse battery protection
- Converters
- Many other high current AC/DC power supplies

Maximum Ratings(limiting values, at 25 °C unless otherwise specified)

Characteristics	Symbol	Condition		Max.	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage			135	69SPB135A	V
DC Blocking Voltage	V _{RWM} VR	-	150	69SPB150A	V
Average Rectified Forward Current	I _{F (AV)}	50% duty cycle @T _C =116°C, rectangular wave form	60		А
Peak One Cycle Non-Repetitive Surge Current	I _{FSM}	8.3 ms, half Sine pulse	860		А

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Electrical Characteristics:

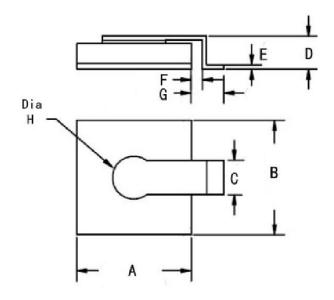
Characteristics	Symbol	Condition	Тур.	Max.	Units
Forward Voltage Drop *	V _{F1}	@ 60A, Pulse, T _J = 25 °C	0.85	0.87	V
	V _{F2}	@ 60A, Pulse, T _J = 125 °C	0.74	0.80	V
Reverse Current*	I _{R1}	$@V_R = rated V_R, Pulse, T_J = 25 °C$	0.02	0.1	mA
	I _{R2}	@V _R = rated V _R , Pulse, T _J = 125 ℃	1	10	mA
Junction Capacitance	Ст	@V _R = 5V, T _C = 25 °C f _{SIG} = 1MHz	1000	1300	pF
Voltage Rate of Change	dv/dt	-	-	10,000	V/μs

* Pulse width < 300 µs, duty cycle < 2%

Thermal-Mechanical Specifications:

Characteristics	Symbol	Condition	Specification	Units
Junction Temperature	TJ	-	-55 to +175	°C
Storage Temperature	T _{stg}	-	-55 to +175	°C
Typical Thermal Resistance Junction to Case	$R_{ ext{ heta}JC}$	DC operation	0.37	°C/W
Approximate Weight	wt	-	1.1	g

Mechanical Dimensions (Inches/Millimeters)



SYMBOL	Millimeters		Inches		
STIVIDUL	Min.	Max.	Min.	Max.	
А	9.81	10.51	0.386	0.414	
В	9.81	10.51	0.386	0.414	
С	2.90	3.20	0.114	0.126	
D	2.42	2.92	0.095	0.115	
E	0.33	0.47	0.013	0.019	
F	1.02		0.040		
G	4.02		0.158		
Н	3.81		0.150		



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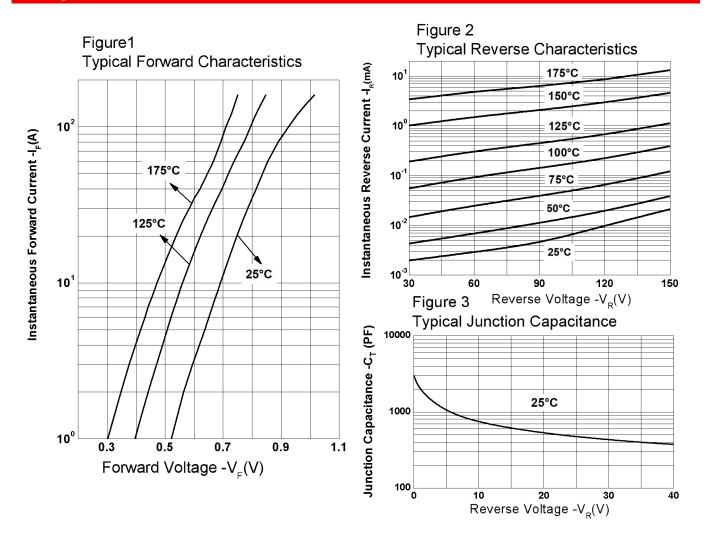


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Ratings and Characteristics Curves



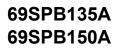
Ordering Information

Device	Package	Shipping
69SPB135A 69SPB150A	SPD-2A(Pb-Free)	100pcs/ box

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