



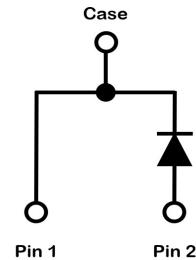
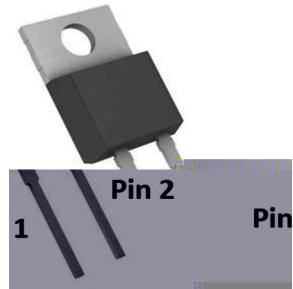
## 650V SiC Schottky Diode

**GP3D020A065A**

<b>V<sub>DC</sub></b>	<b>650 V</b>
<b>Q<sub>C</sub></b>	<b>53 nC</b>
<b>I<sub>F</sub></b>	<b>20 A</b>
<b>T<sub>j,max</sub></b>	<b>175 °C</b>

## ***Amp+™ Features***

## Package



## **Amp+™ Benefits**

## **Amp+™ Applications**

Part #	Package	Marking
GP3D020A065A	TO-220-2L	3D020A065



## Maximum Ratings

### Notes:

B

b Q b

600V SiC肖特基二极管

Diode

Amp+™

G

02040654

Electrical Characteristics

Characteristics

Thermal Characteristics

Characteristics

Typical Performance

Symbol

Conditions

Forward Characteristics

$V_F$  (V)

$V_R$  (V)

Fig. 2 Reverse Characteristics

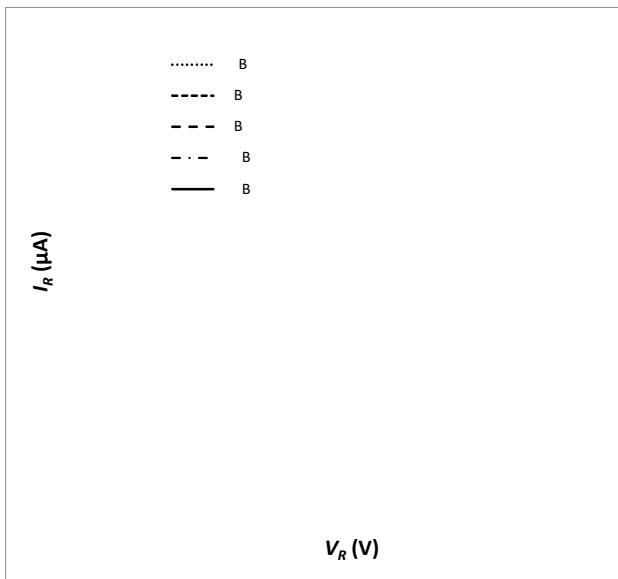


Fig. 3 Reverse Characteristics

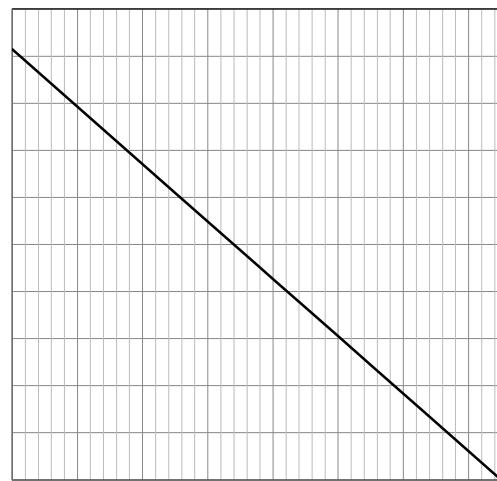


Fig. 4 Power Derating

Fig. 5 Current Derating

Fig. 6 Capacitance

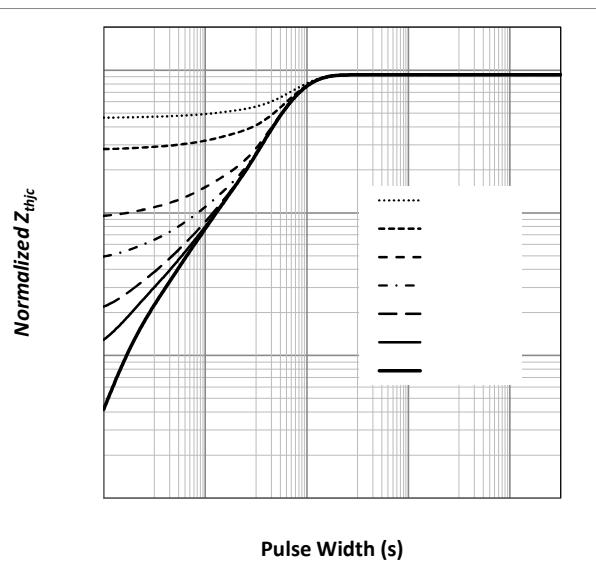
*Amp*

**GP3D020A065A**

$T_f = 25^\circ\text{C}$

$E_c (\mu\text{J})$

$V_R (\text{V})$



Q

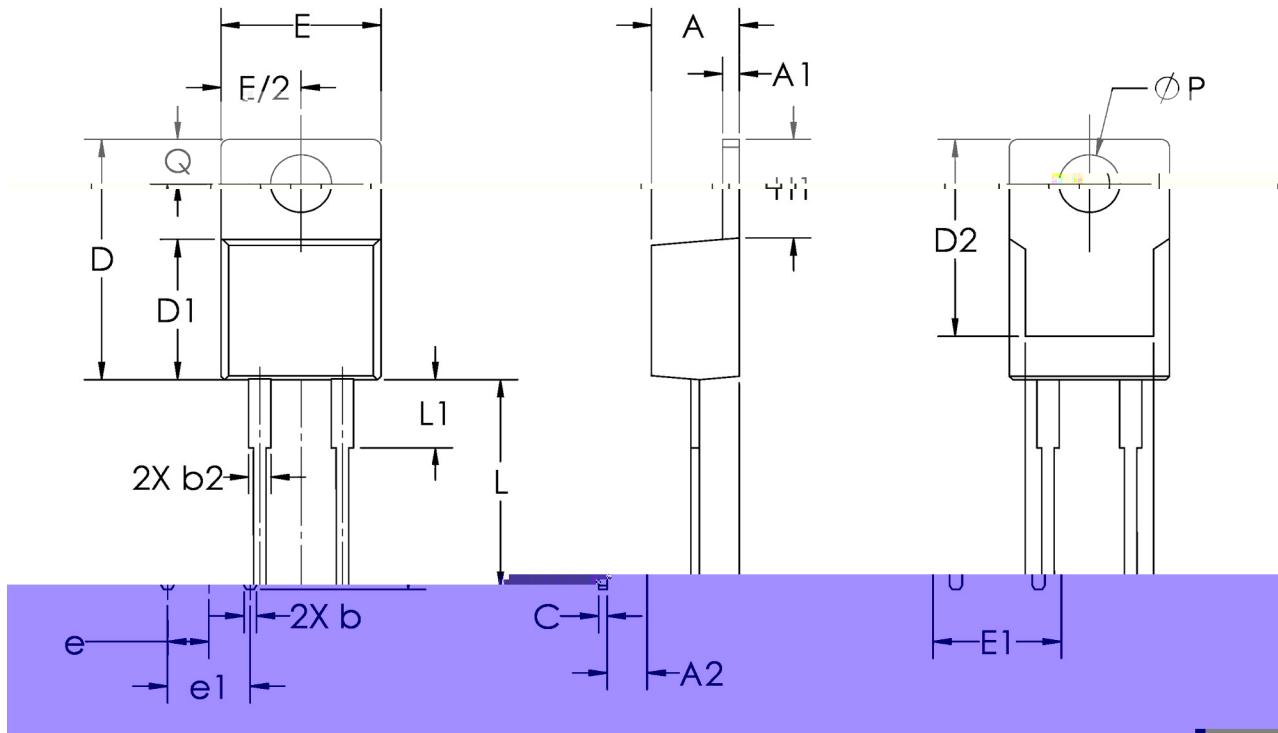
b

## 650V SiC Schottky Diode

**Amp +™**

**GP3D020A065A**

## Package Dimensions TO-220-2L



## Revision History


M

## RoHS Compliance

b	Q	b	b	b	bb	b	b	b	b	B	Q	b	Q
b	b		b b		b	b		b			b		

## REACH Compliance

Q	B	b	b	b	B	B	b	b	b	b	b	b	B	b
							b	b	b	b	b	b		
b			b	b			b	b	b	b	b	b		
	b													
b		b	b	b	b	b	b	b	b	b	b	b	b	b
b			b	b	b	b	b	b	b	b	b	b	b	b