



650V SiC Schottky Diode

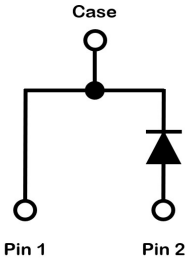
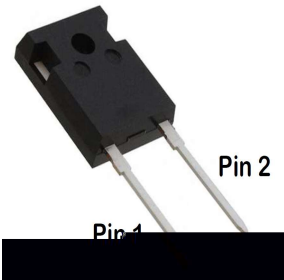
GP3D020A065B

VDC	650 V
Q _C	53 nC
I _F	20 A
T _{j,max}	175 °C

Amp+™ Features

Package

Amp+™ Benefits



Part #	Package	Marking
GP3D020A065B	TO-247-2L	3D020A065

Amp+™ Applications



Maximum Ratings

Characteristics	Symbol	Conditions	Values	Unit
	f			

Notes:

B
b Q B

650V Silicon Rectifier Diode

Amp+™

GBJ020A0652

Electrical Characteristics

Characteristic	Symbol	Standard	Unit
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Thermal Characteristics

Characteristic	Symbol	Standard	Unit
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Typical Performance

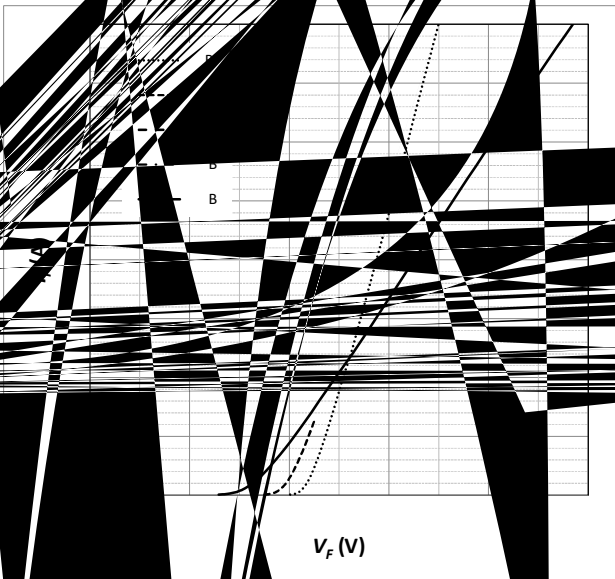


Fig. 1 Forward Characteristics

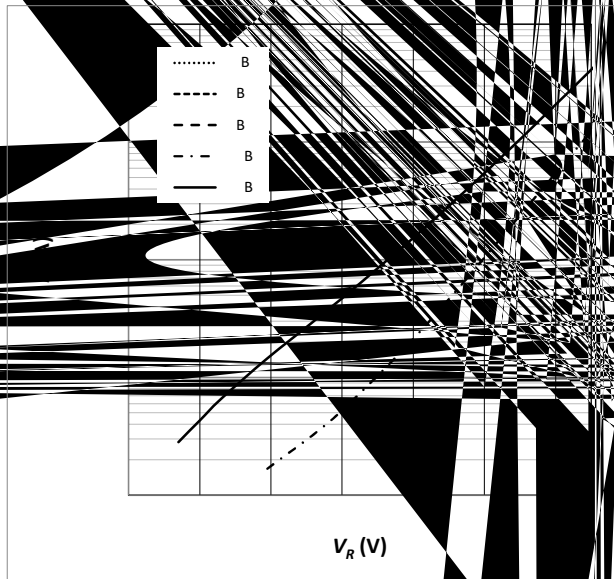


Fig. 2 Reverse Characteristics

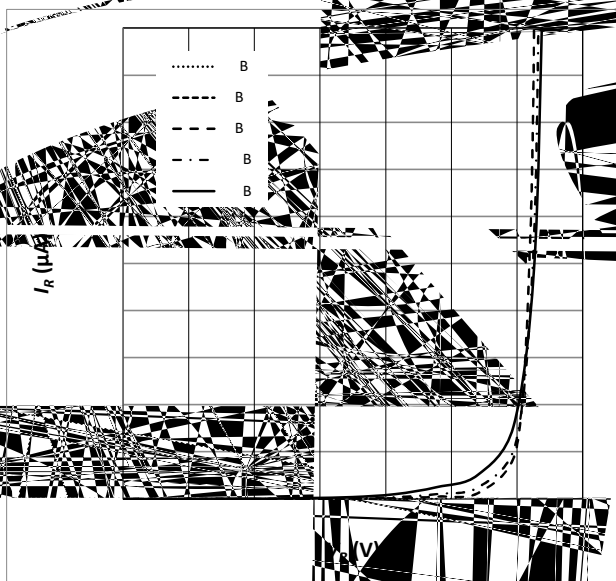


Fig. 3 Reverse Characteristics

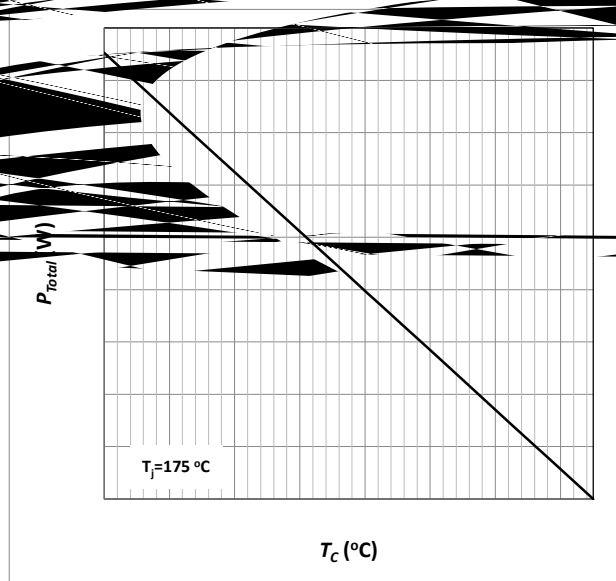


Fig. 4 Power Derating

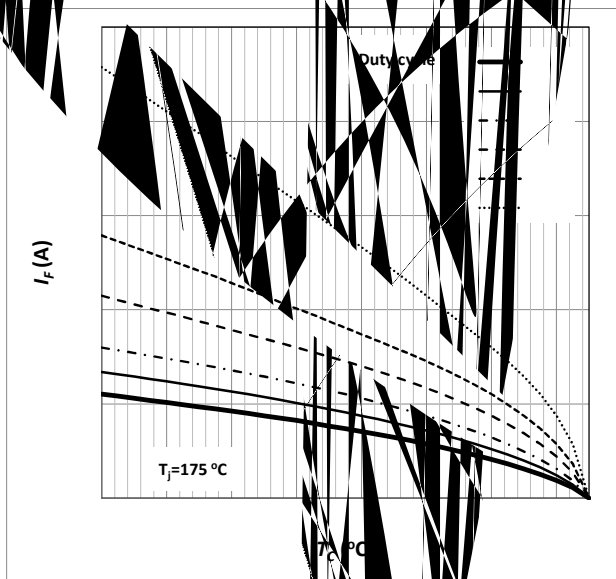


Fig. 5 Current Derating

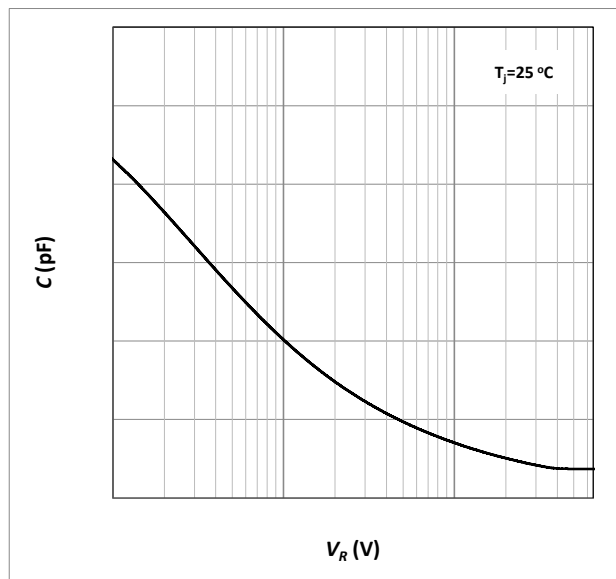


Fig. 6 Capacitance

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Amp +TM

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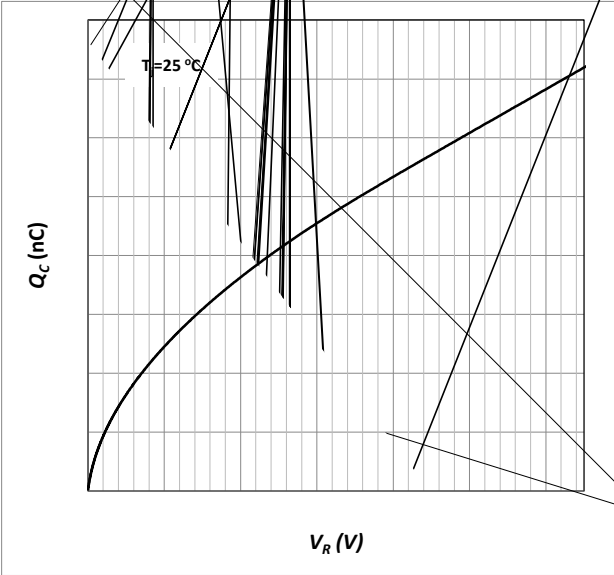


Fig. 7 Capacitive Charge

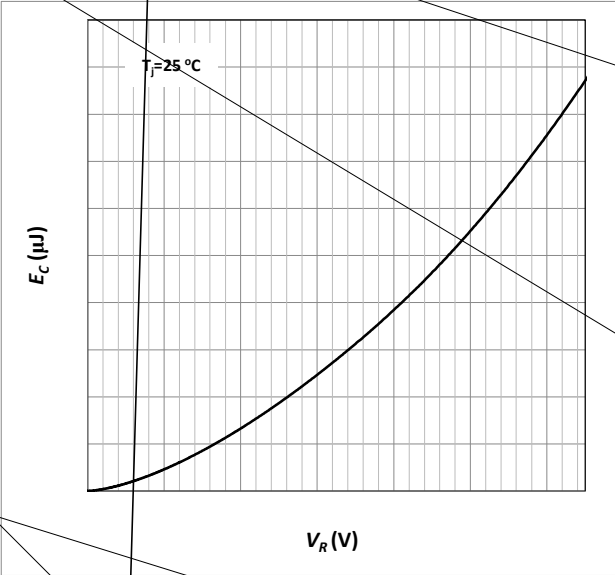


Fig. 8 Typical Capacitance Stored Energy

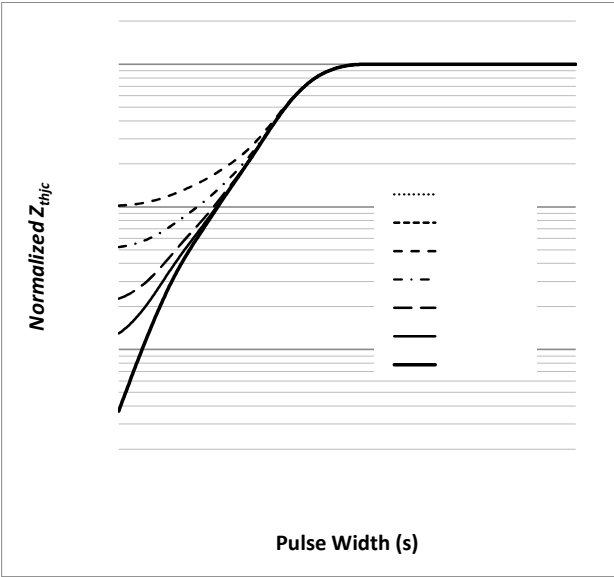
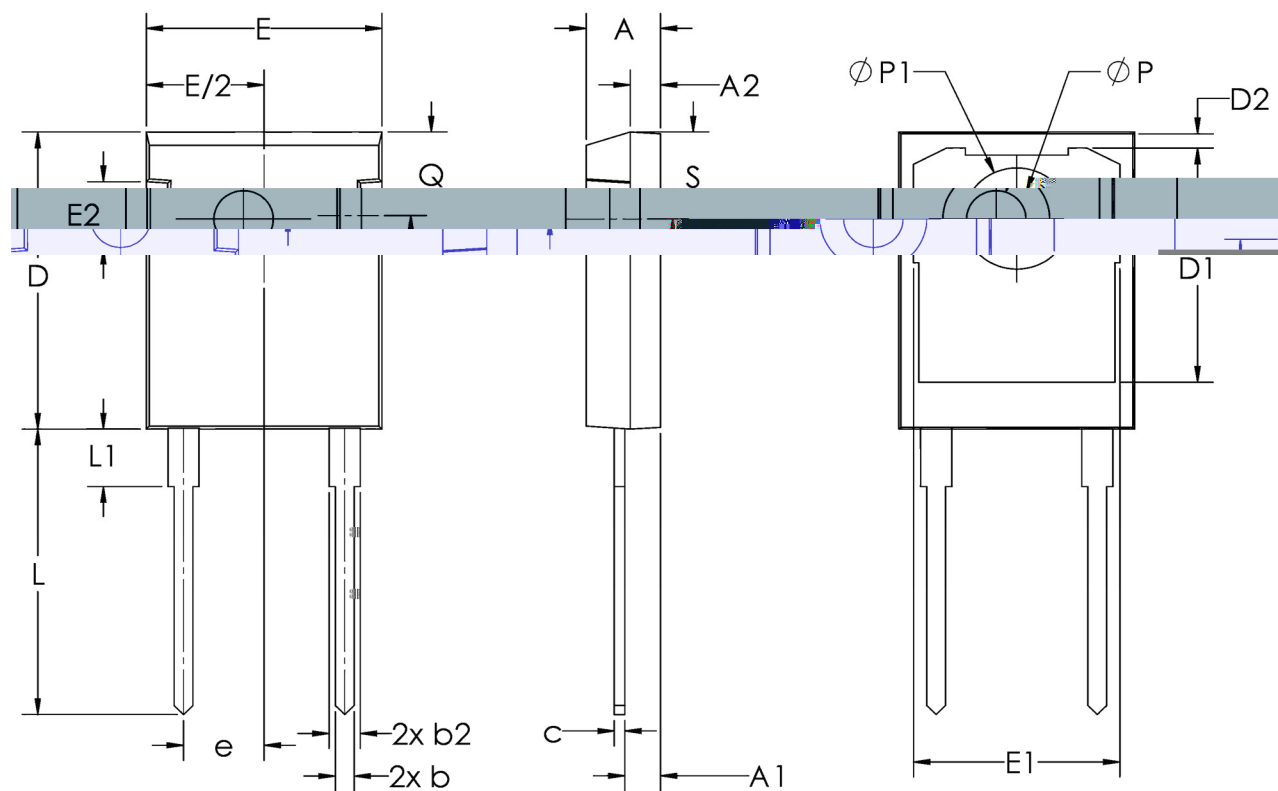


Fig. 9 Transient Thermal Impedance

Package Dimensions TO-247-2L

Amp +™

GP3D020A065B

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Revision History

[illegible]M

RoHS Compliance

$\begin{array}{ccccccc} & Q & b & & b & & b \quad b \\ b & b & & & b & bb & b \\ b & & b \quad b & & b & b & b \end{array}$

REACH Compliance

[illegible]