



650V SiC Schottky Diode

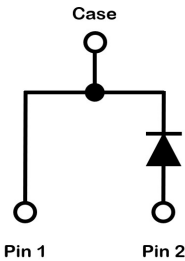
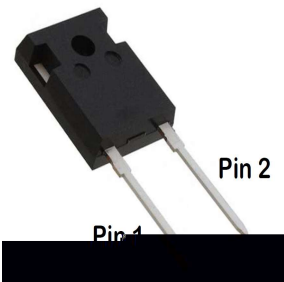
GP3D010A065B

VDC	650 V
Q _C	27 nC
I _F	10 A
T _{j,max}	175 °C

Amp+™ Features

Package

Amp+™ Benefits



Part #	Package	Marking
GP3D010A065B	TO-247-2L	3D010A065

Amp+™ Applications



Maximum Ratings

Characteristics	Symbol	Conditions	Values	Unit
	f			

Notes:

b Q B

Electrical Characteristics

Characteristics	Symbol	Conditions	Values			Unit
						μ

Thermal Characteristics

Characteristics	Symbol	Conditions	Values			Unit

Typical Performance

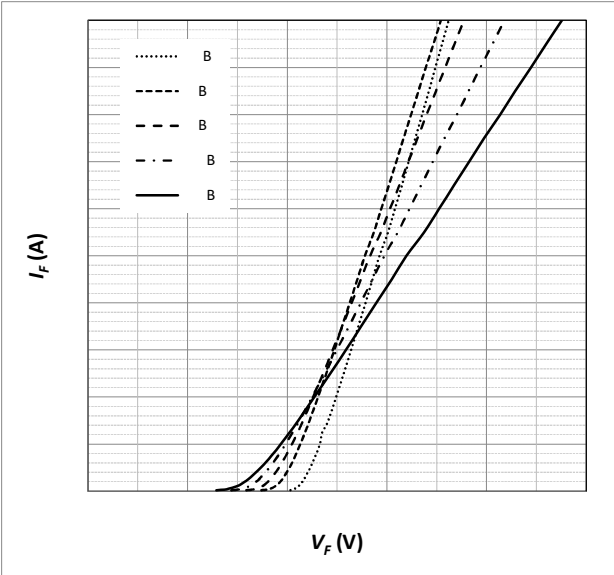


Fig. 1 Forward Characteristics

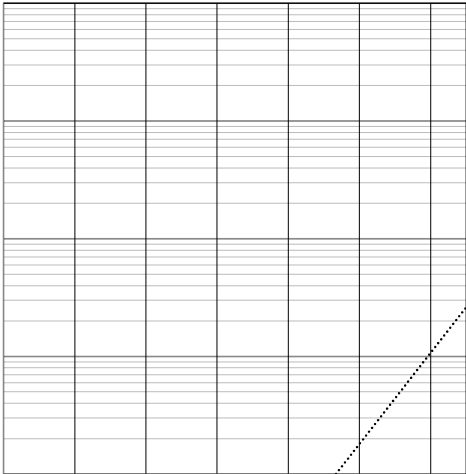


Fig. 2 Reverse Characteristics

60V SiC Schottky Diode

Amp+™

GP3D010A065B

.....	B
-----	B
-----	B
- - - -	B
- - - -	B
————	B

Fig. 3



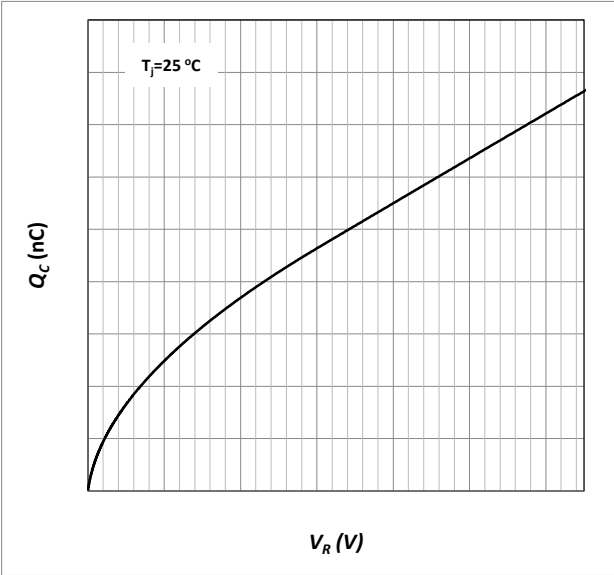


Fig. 7 Capacitive Charge

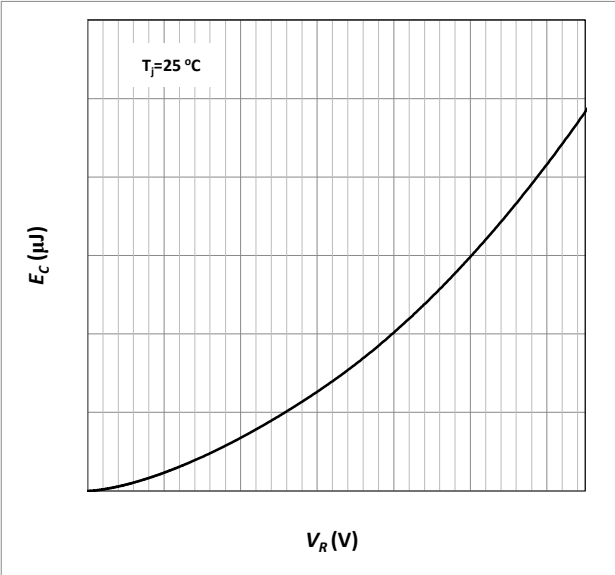


Fig. 8 Typical Capacitance Stored Energy

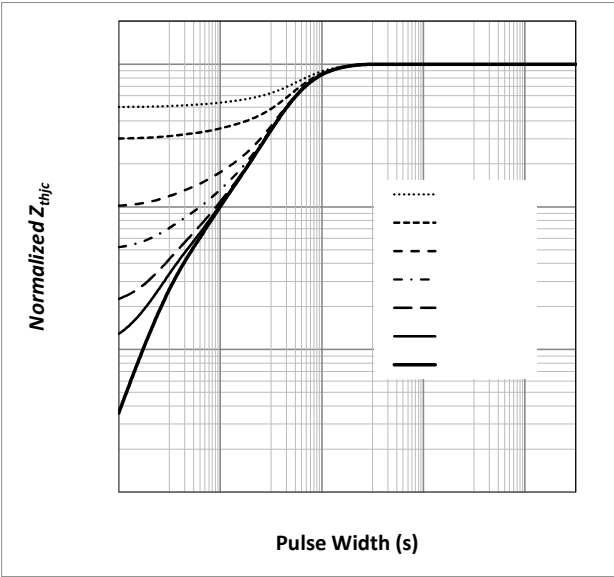
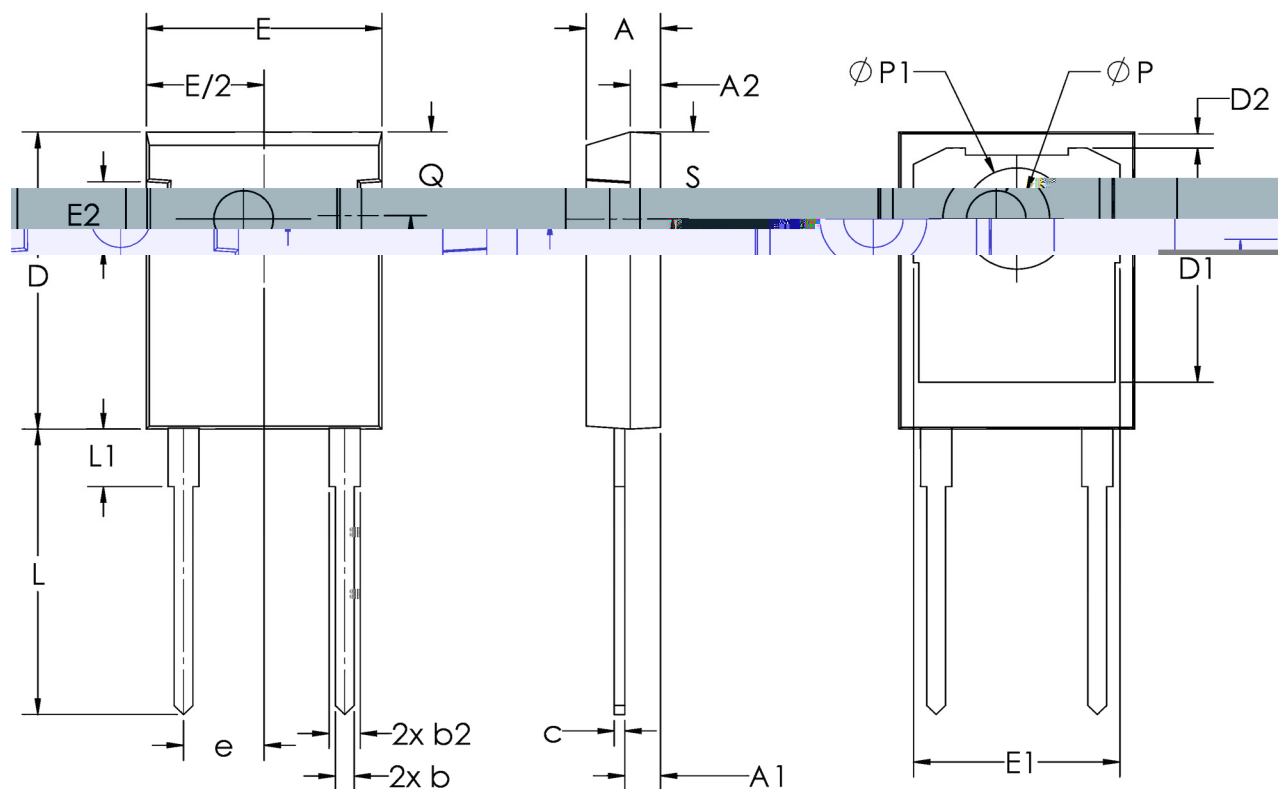


Fig. 9 Transient Thermal Impedance

Package Dimensions TO-247-2L

Amp +™

GP3D010A065B

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Revision History

[illegible]M

RoHS Compliance

Q b b b b B Q b Q

b b b bb b b b b

b b b b

REACH Compliance

[illegible]