

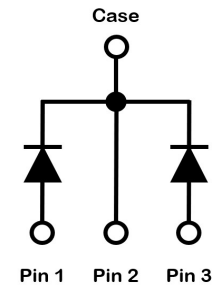
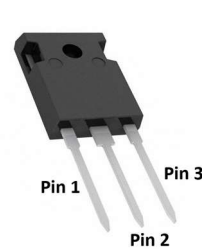
1200V SiC Schottky Diode

VDC	1200 V
Q_C	212 nC***
I_F	40 A***
$T_{j,max}$	175 °C

*Amp+*TM Features

Package

*Amp+*TM Benefits



*Amp+*TM Applications

Part #	Package	Marking
GP3D040A120U	TO-247-3L	3D040A120



Maximum Ratings

Characteristics Per Leg	Symbol	Conditions	Values	Unit
	\int			

Notes:

~~1200V SiC Schottky Diode~~

Amp⁺™

GP3D040A120U

Electrical Characteristics

Characteristics Per Leg	Symbol	Conditions	Values			Unit
						μ

Thermal Characteristics

Characteristics Per Leg	Symbol	Conditions	Values			Unit

Typical Performance Per Leg

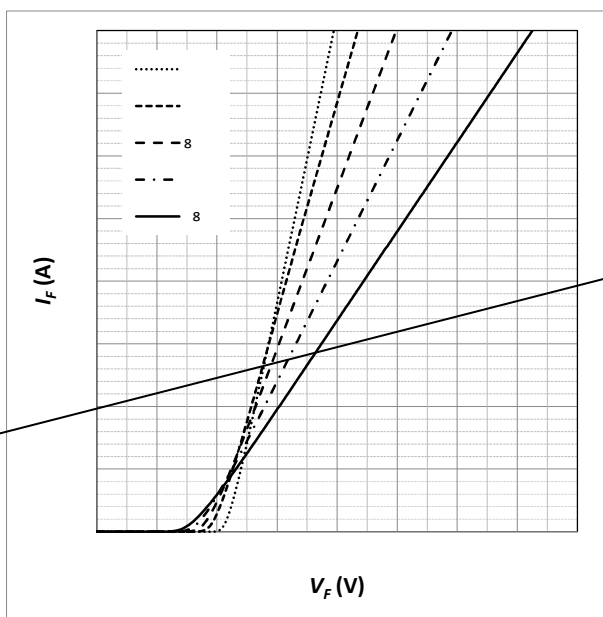


Fig. 1 Forward Characteristics

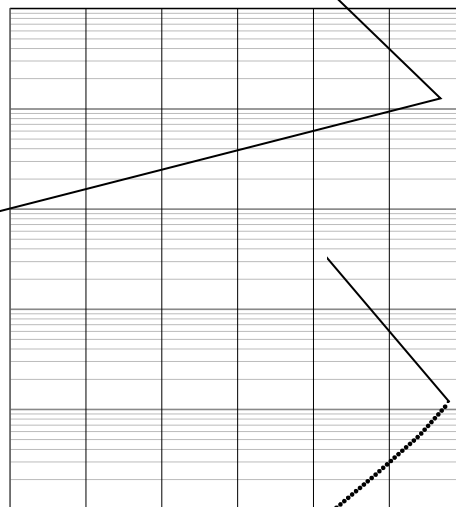


Fig. 2 Reverse Characteristics

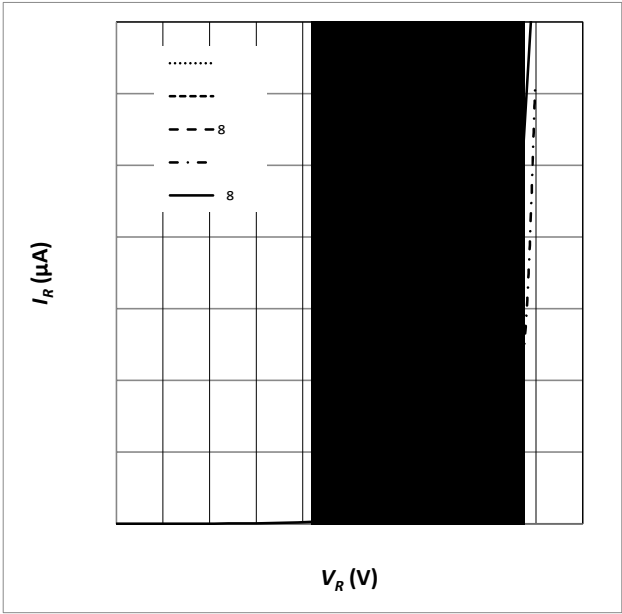


Fig. 3 Reverse Characteristics

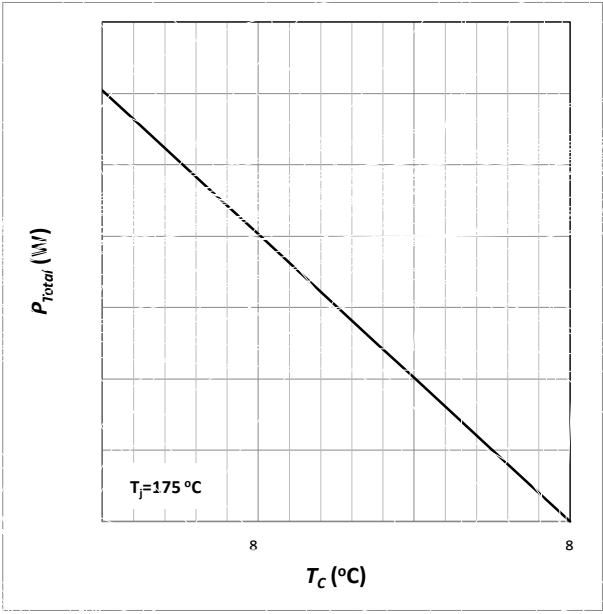


Fig. 4 Power Derating

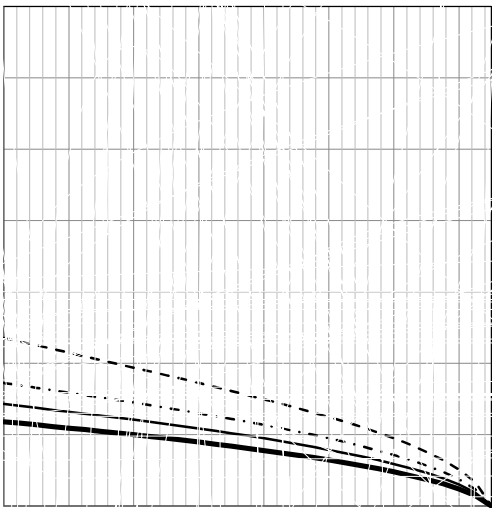


Fig. 5 Capacitance

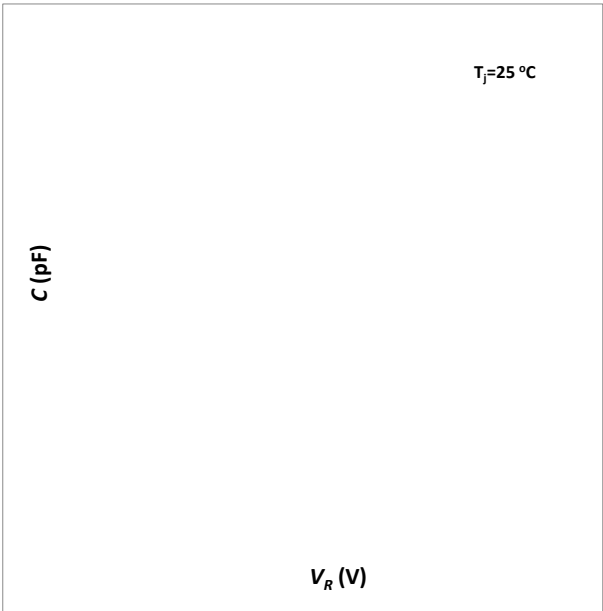
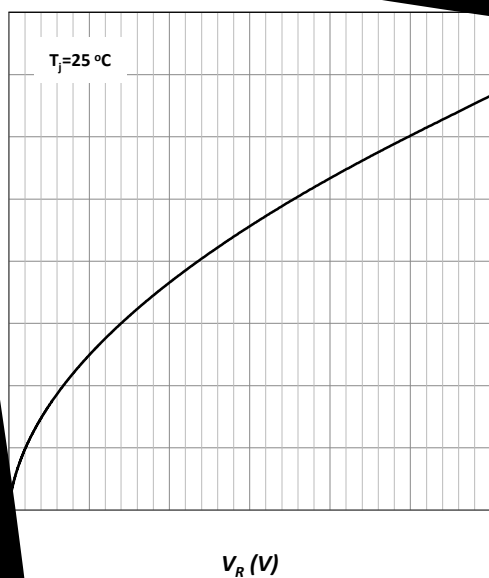


Fig. 6 Capacitance

200V SiC MOSFET



Capacitive Charge

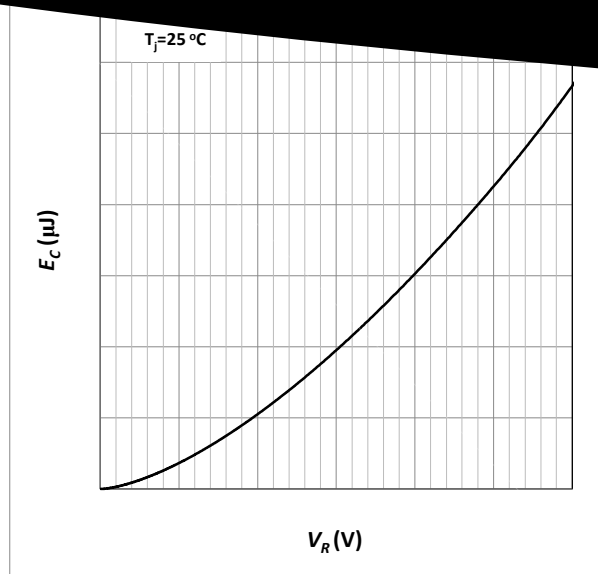


Fig. 8 Typical Capacitance Stored Energy

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1200V SiC Schottky Diode

Amp⁺™

GP3D040A120U

Package Dimensions TO-247-3L

[illegible]

RoHS Compliance

REACH Compliance