

**GHXS030A060S-D3**

600V SiC Power Module Dual Diode Pack

VDC	600 V
I _F	30 A
T _{j,max}	175 °C

Features

Package



Parallel

Benefits

Part #	Package	Marking
GHXS030A060S-D3	SOT-227	GHXS030A060S-D3

Applications



Maximum Ratings

Characteristics	Symbol	Conditions	Value	Unit
<i>i</i> <i>t</i>	$\int i dt$			
<i>dv/dt</i>	<i>dv/dt</i>			

Notes: * Typical R_{thJC} used

600V SiC Power Module

GHXS030A060S-D3

Electrical Characteristics

Thermal and Package Characteristics

Characteristics	Symbol	Conditions	Values			Unit

Typical Performance Per Leg

Fig. 1 Forward Characteristics

Fig. 2 Reverse Characteristics

600V SiC Power Module

GHXS030A060S-D3

Fig. 3 Reverse Characteristics

Fig. 4 Power Derating

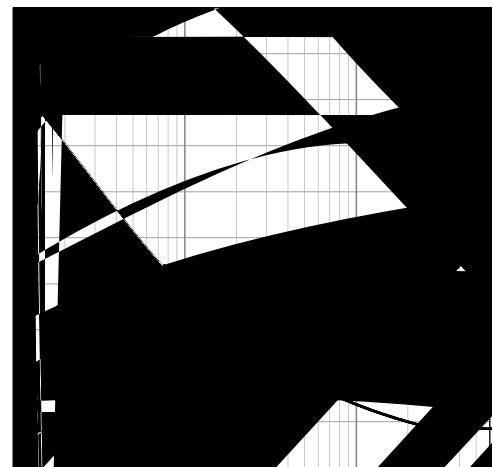


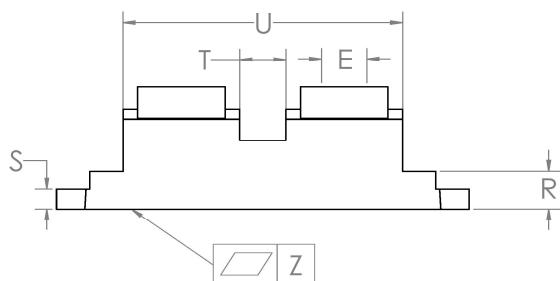
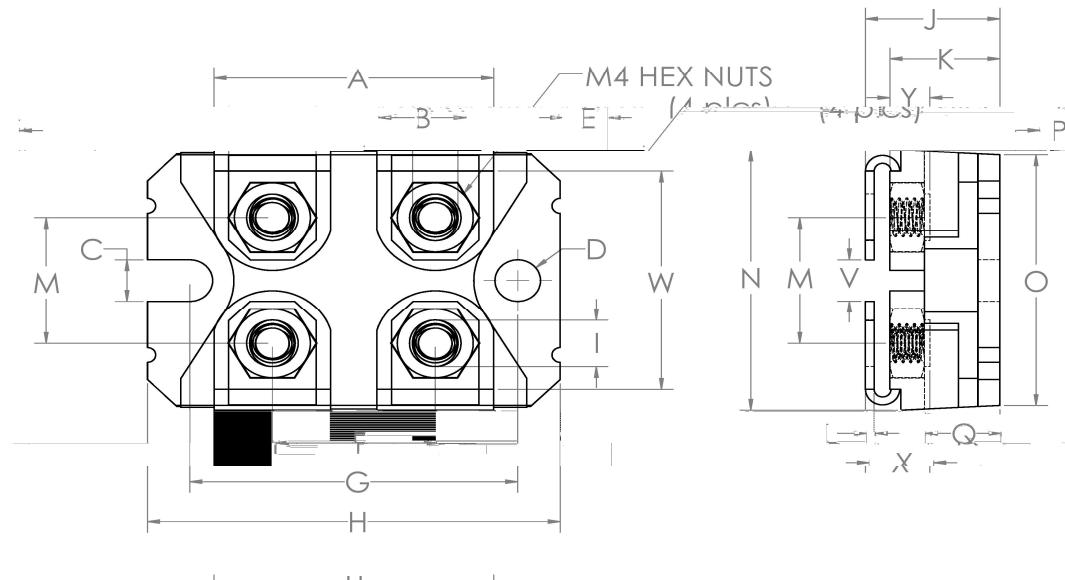
Fig. 5 Current Derating

Fig. 6 Capacitance

600V SiC Power Module

GHXS030A060S-D3

Package Dimensions SOT-227



Revision History

Notes**RoHS Compliance**

The levels of RoHS restricted materials in this product are below the maximum concentration values (also referred to as the threshold limits) permitted for such substances, or are used in an exempted application, in accordance with EU Directive 2011/65/EC (RoHS2), as implemented March, 2013. RoHS Declarations for this product can be obtained from the Product Documentation sections of www.SemiQ.com.

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