



1700V SiC Schottky Diode

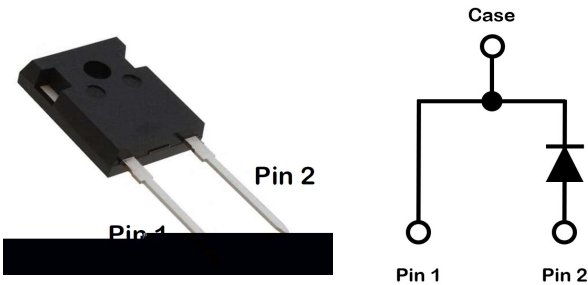
|                    |        |
|--------------------|--------|
| VDC                | 1700 V |
| Q <sub>c</sub>     | 203 nC |
| I <sub>F</sub>     | 20 A   |
| T <sub>j,max</sub> | 175 °C |

Features

Package

Benefits

Applications



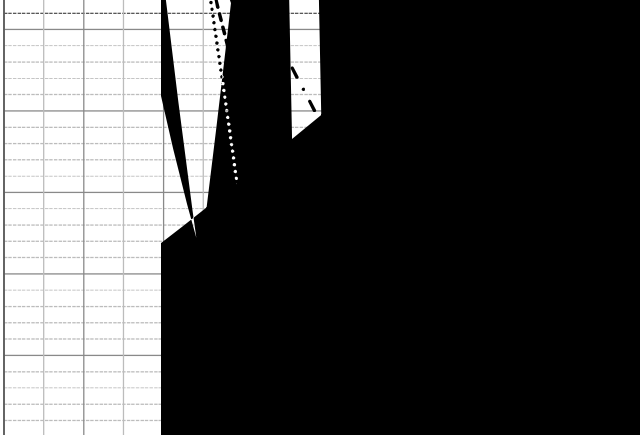
| Part #       | Package   | Marking   |
|--------------|-----------|-----------|
| GP3D020A170B | TO-247-2L | 3D020A170 |



Maximum Ratings

| Characteristics | Symbol | Conditions | Values | Unit |
|-----------------|--------|------------|--------|------|
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 | f      |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |
|                 |        |            |        |      |

Notes:



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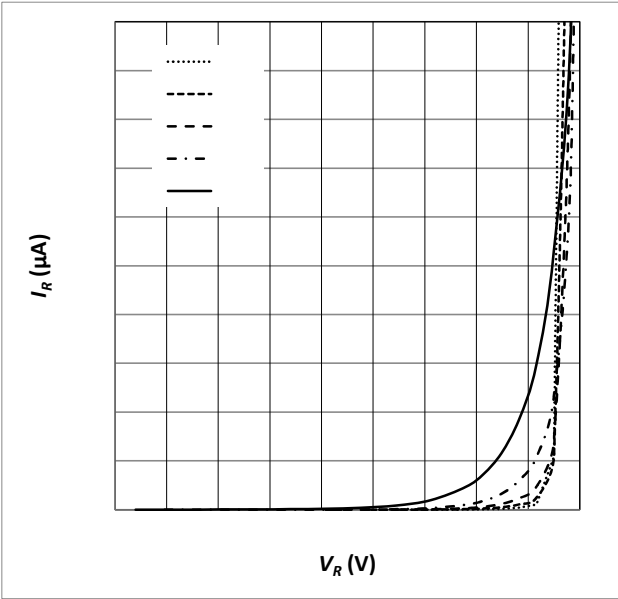


Fig. 3 Reverse Characteristics

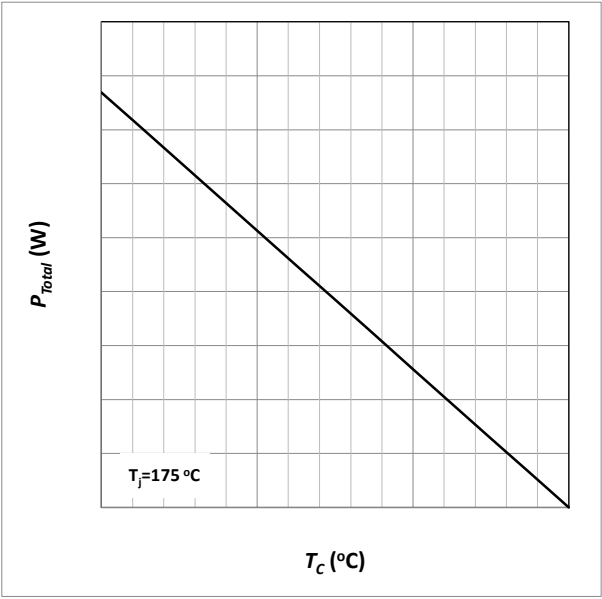


Fig. 4 Power Derating

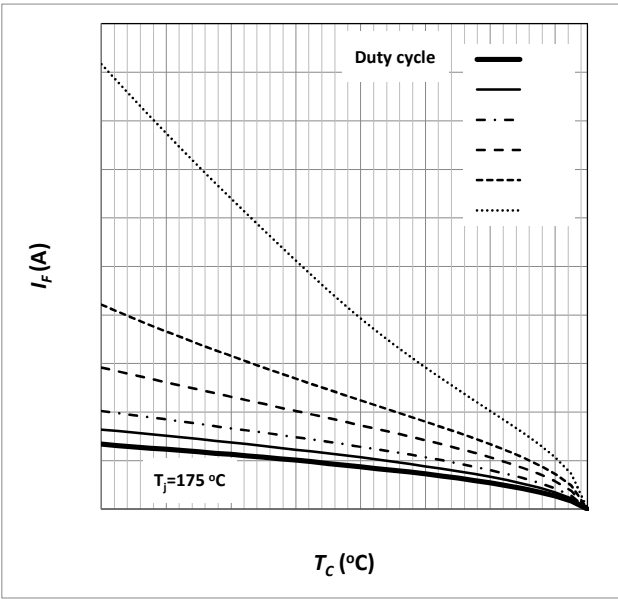


Fig. 5 Capacitance

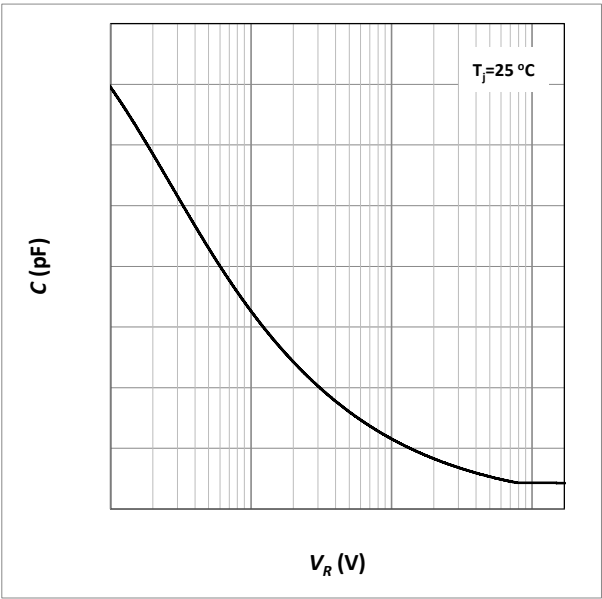


Fig. 6 Capacitance

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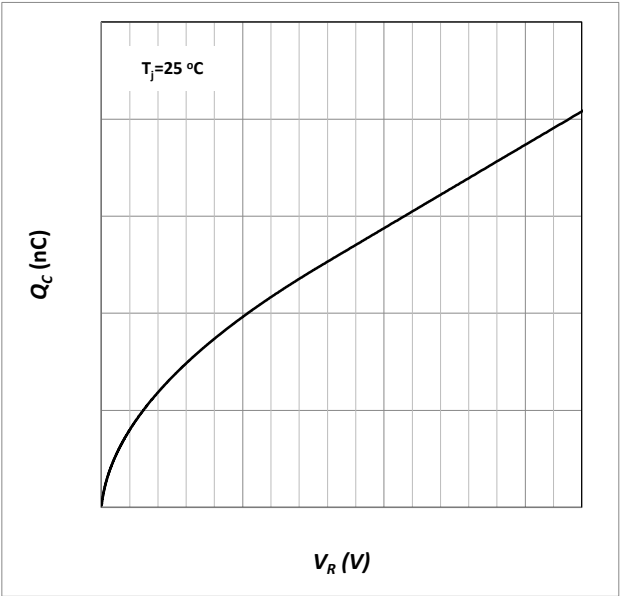


Fig. 7 Capacitive Charge

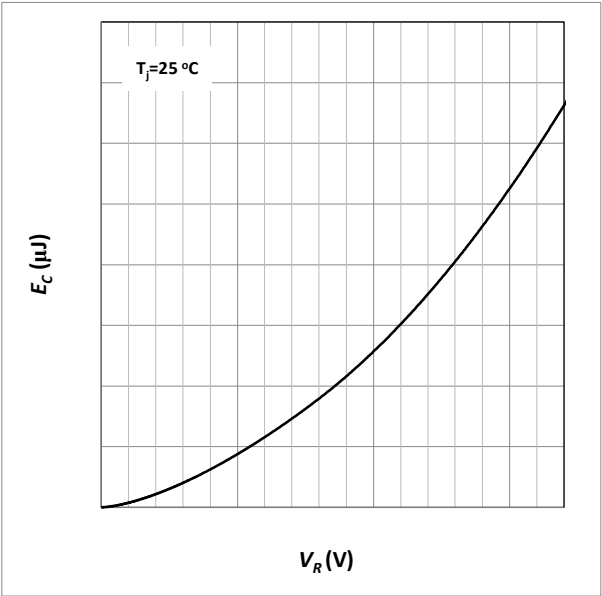


Fig. 8 Typical Capacitance Stored Energy

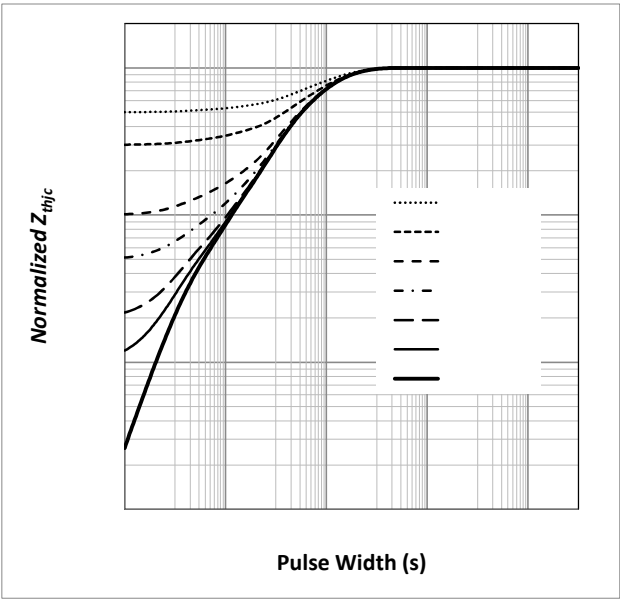
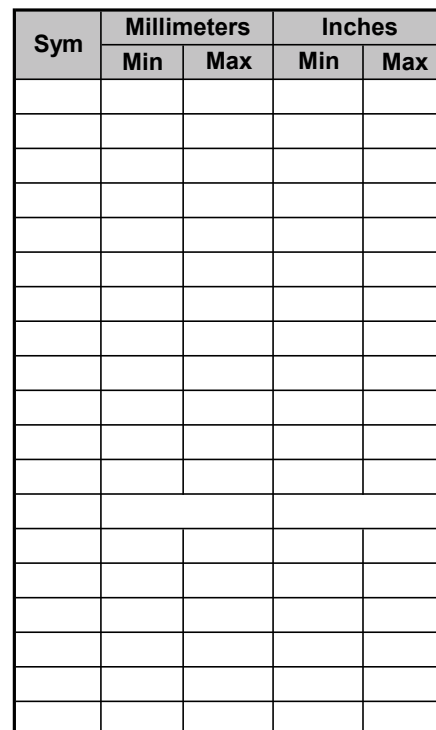


Fig. 9 Transient Thermal Impedance

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## REACH Compliance