

BRCs060N04YMQ

Rev.B Mar.-2023

| Parameter | Symbol | Rating | Unit |
|---|-----------------------------|------------|------|
| Drain-Source Voltage | V_{DSS} | 40 | V |
| Drain Current | $I_D(T_C=25^\circ\text{C})$ | 60.2 | A |
| Drain Current - Pulsed | I_{DM} | 217 | A |
| Gate-Source Voltage | V_{GSS} | ± 20 | V |
| Single Pulsed Avalanche Energy | E_{AS} | 240.1 | mJ |
| Avalanche Current | I_{AS} | 24.5 | A |
| Power Dissipation | $P_D(T_C=25^\circ\text{C})$ | 36 | W |
| Operating and Storage Temperature Range | T_J, T_{stg} | -55 to 150 | |

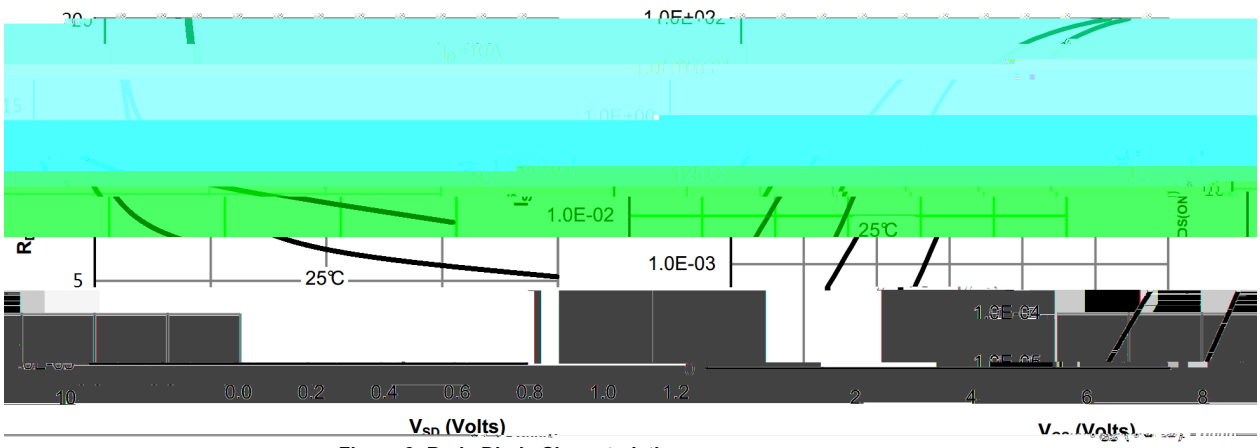
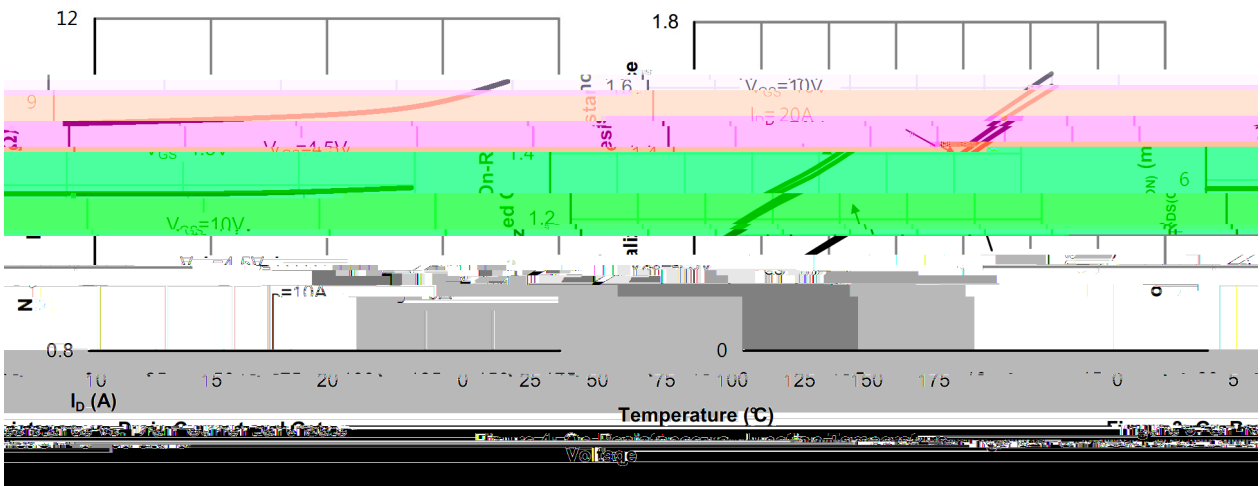
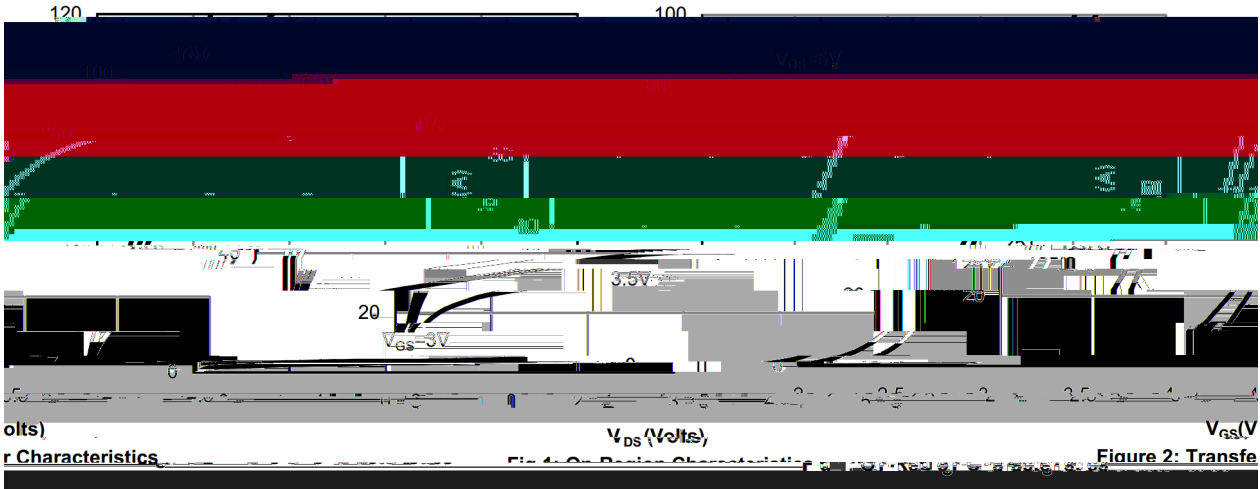
BRCs060N04YMQ

Rev.B Mar.-2023

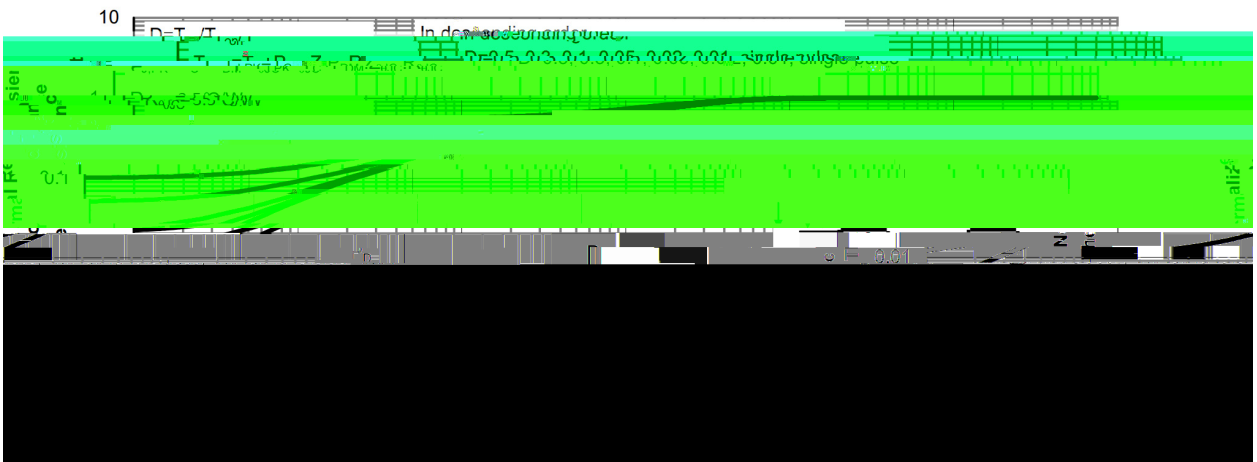
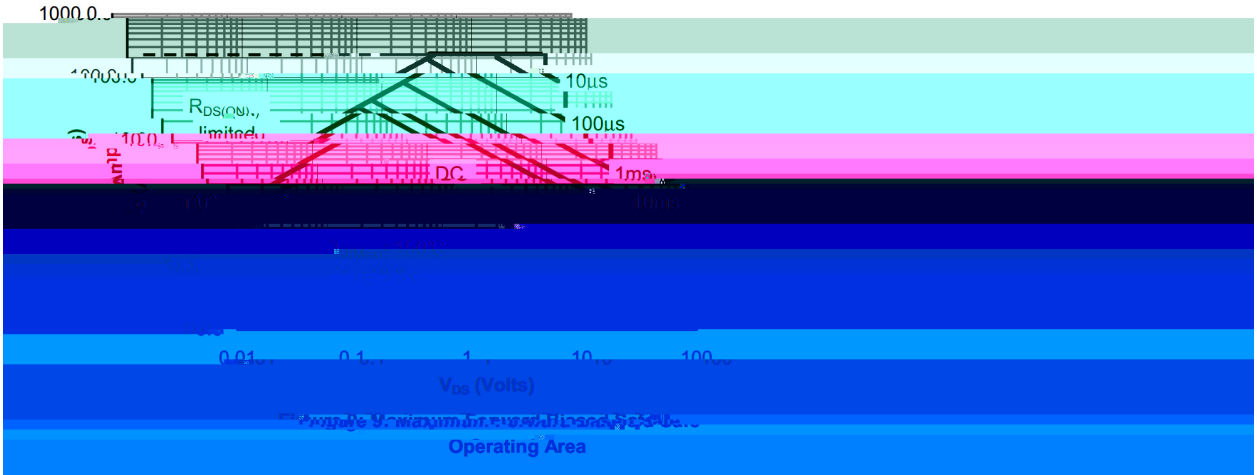
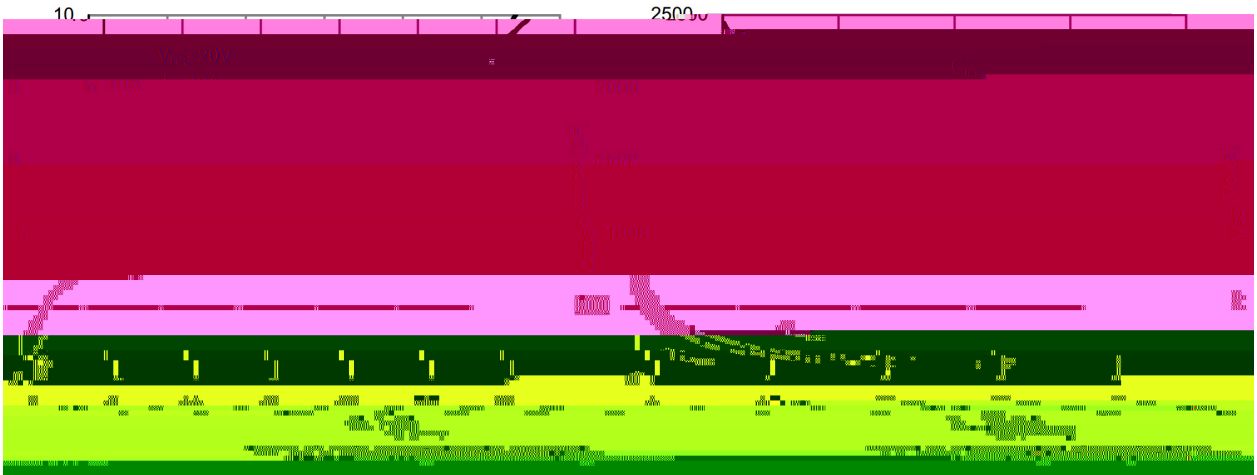


| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|--------------------|--------|-----------------|-----|-----|-----|------|
| Turn-On Delay Time | t | | | | | |

/ Electrical Characteristic Curve



/ Electrical Characteristic Curve



BRCS060N04YMQ

BRCs060N04YMQ

Rev.B Mar.-2023

/ Marking Instructions

91

H

060N04

() / Temperature Profile for IR Reflow Soldering(Pb-Free)