# BRCS022N12SHTL

DATA SHEET

## / Absolute Maximum Ratings($T_C$=25 )

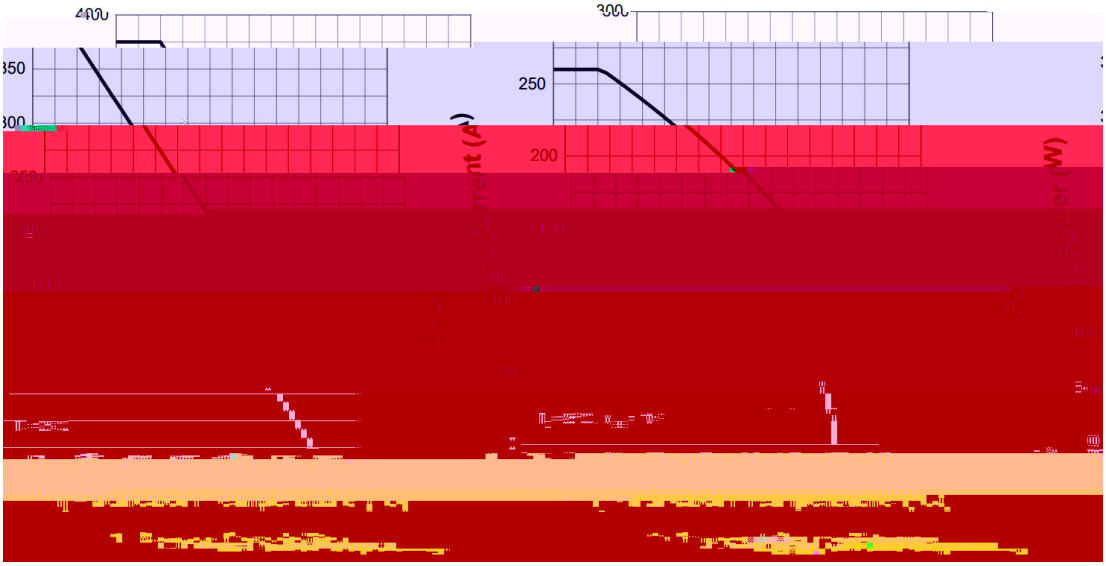
| | | | | |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

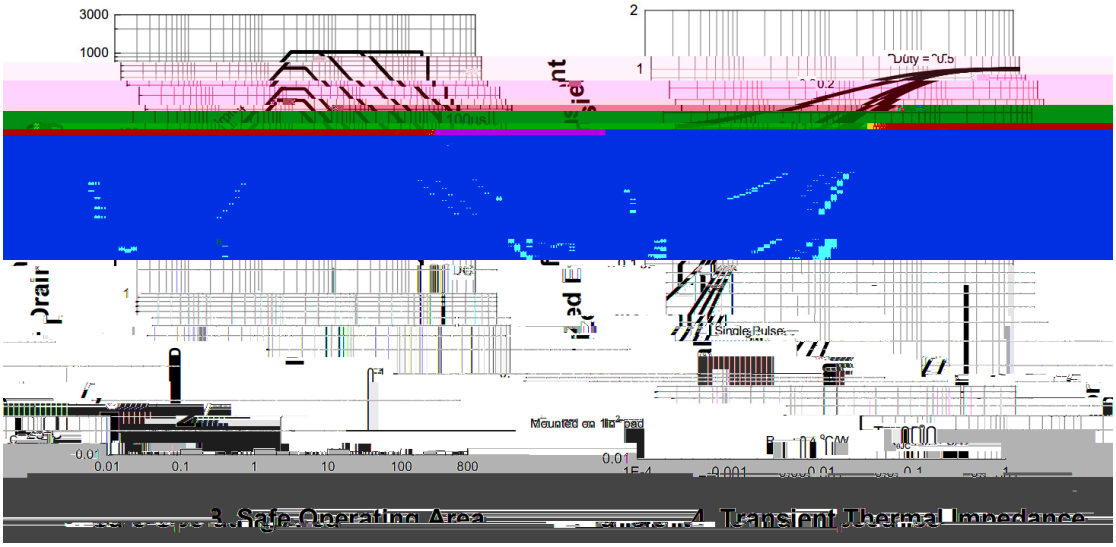
## / Electrical Characteristics(Ta=25 )

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | Ω |
| | | | | | | Ω |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

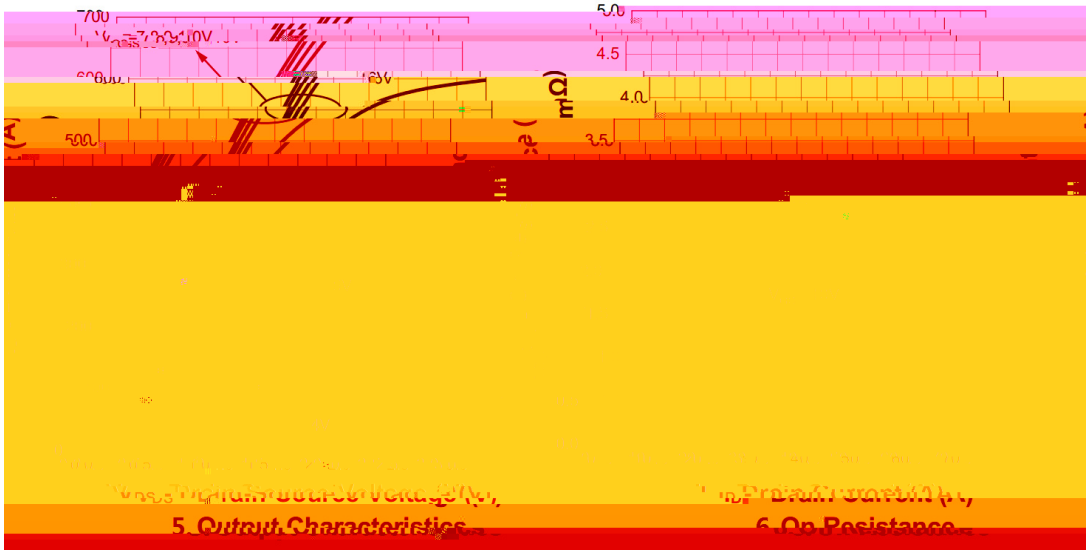
| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |

## / Electrical Characteristic Curve



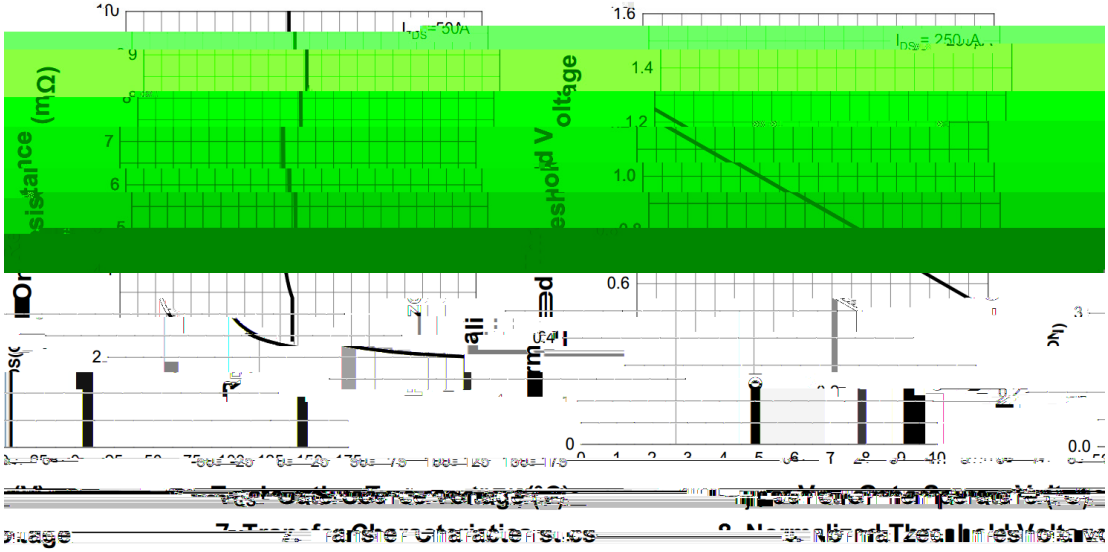



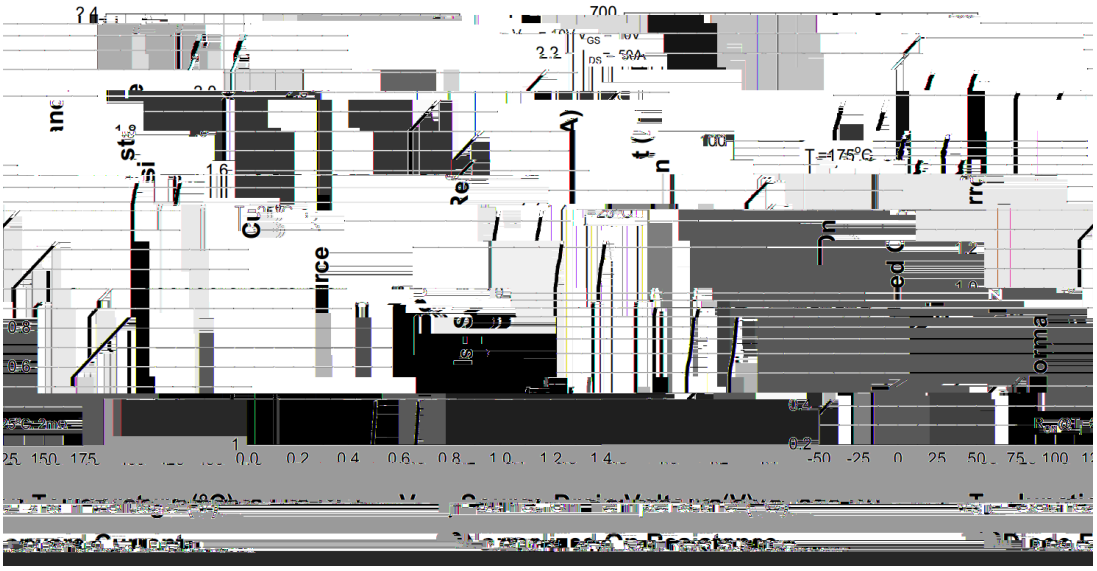

3. Safe Operating Area 4. Transient Thermal Impedance

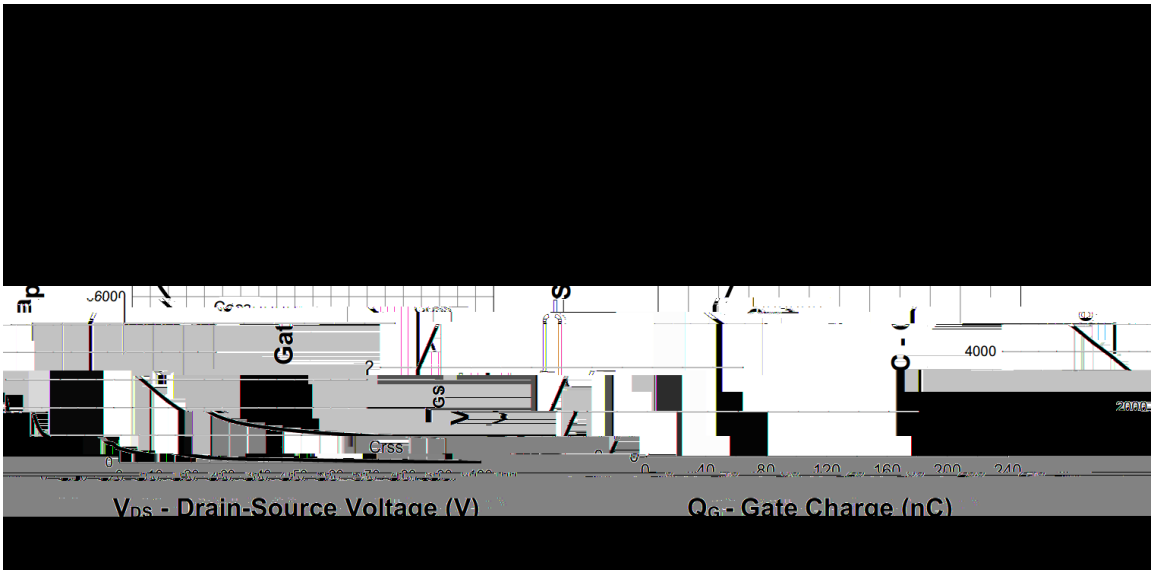



5. Output Characteristics 6. On-Resistance

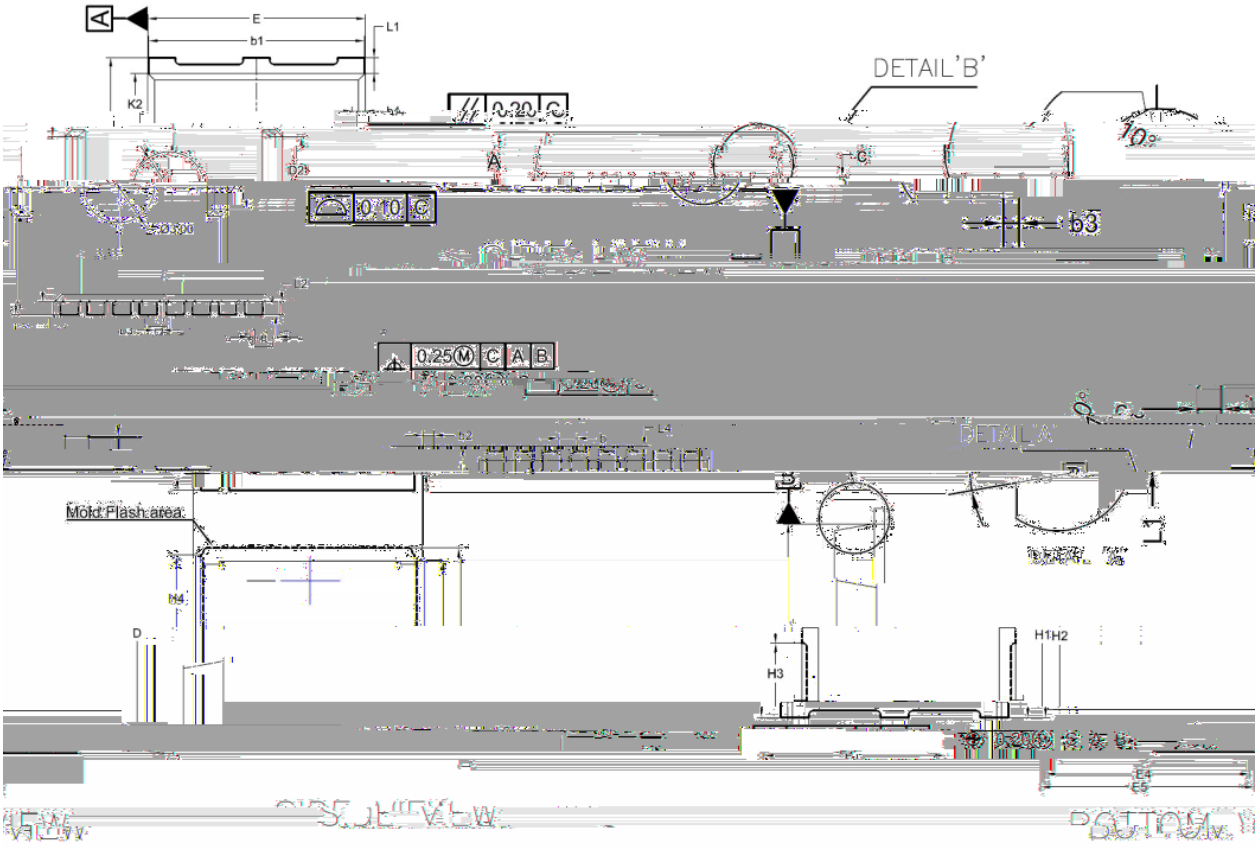
## / Electrical Characteristic Curve







## / Package Dimensions




| Symbol | Dimensions In Millimeters | | | Symbol | Dimensions In Millimeters | | |
|---|---|---|---|---|---|---|---|
| | MIN. | NOM. | MAX. | | MIN. | NOM. | MAX. |
| A | 2.200 | 2.300 | 2.400 | b1 | 9.700 | 9.800 | 9.900 |
| c | 0.492 | 0.500 | 0.508 | b1 | 0.420 | 0.460 | 0.500 |
| D | 10.280 | 10.380 | 10.480 | b3 | | 0.350 | |
| E | 9.800 | 9.900 | 10.000 | b4 | | 0.600 | |
| e | | 1.20 BSC | | b5 | | 3.100 | |
| H | 11.580 | 11.680 | 11.780 | b6 | | 1.200 | |
| H1 | 6.650 | 6.750 | 6.850 | L | 1.700 | 1.900 | 2.100 |
| H2 | | 7.300 | | L1 | | 0.700 | |
| H3 | | 3.200 | | L2 | | 0.600 | |
| H4 | | 3.800 | | L4 | 1.050 | 1.150 | 1.250 |
| K1 | | 4.180 | | L5 | 0.500 | 0.600 | 0.700 |
| K2 | | 2.900 | | E1 | | 7.800 | |
| D2 | | 3.300 | | E4 | | 8.800 | |
| b | 0.700 | 0.800 | 0.900 | E5 | | 9.200 | |

## / Marking Instructions

BR

****

**BRCS022N12SHTL**