

/ Descriptions

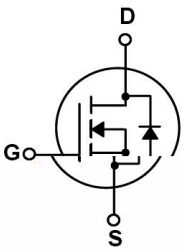
/ Features

$R_{DS(on)}$   $C_{rss}$

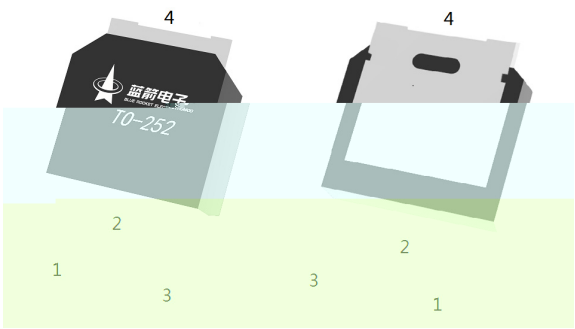
/ Applications

DC/DC

/ Equivalent Circuit



/ Pinning



/ Marking

[illegible]

## / Electrical Characteristics(Ta=25 )

|  |  |       |  |  |  |          |  |
|--|--|-------|--|--|--|----------|--|
|  |  |       |  |  |  |          |  |
|  |  | $\mu$ |  |  |  |          |  |
|  |  |       |  |  |  | $\mu$    |  |
|  |  |       |  |  |  |          |  |
|  |  | $\mu$ |  |  |  |          |  |
|  |  |       |  |  |  | $\Omega$ |  |
|  |  |       |  |  |  |          |  |
|  |  |       |  |  |  |          |  |
|  |  |       |  |  |  | $\Omega$ |  |
|  |  |       |  |  |  |          |  |
|  |  |       |  |  |  |          |  |
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|  |  |       |  |  |  |          |  |
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|  |  |       |  |  |  |          |  |

/ Electrical Characteristics(Ta=25 )

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# Electrical Characteristic Curve

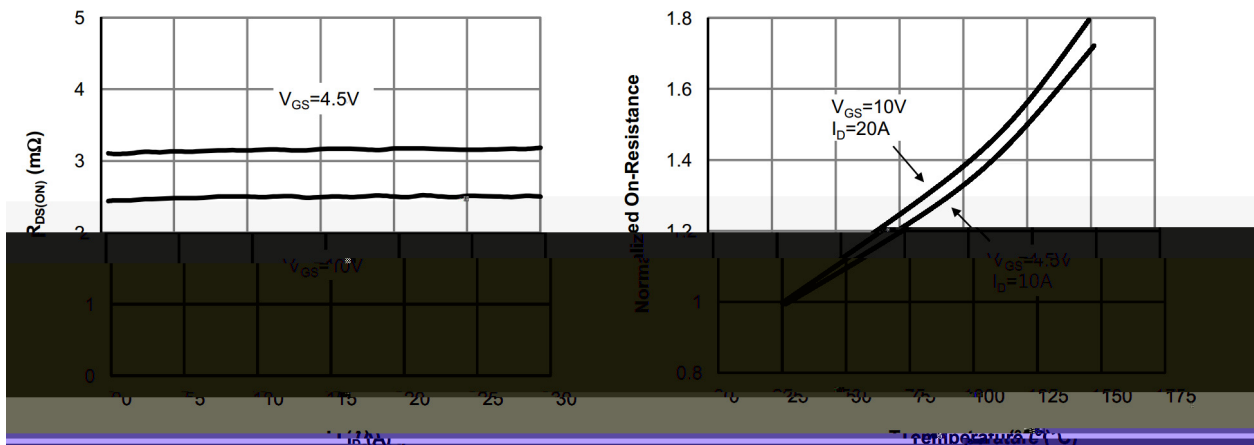
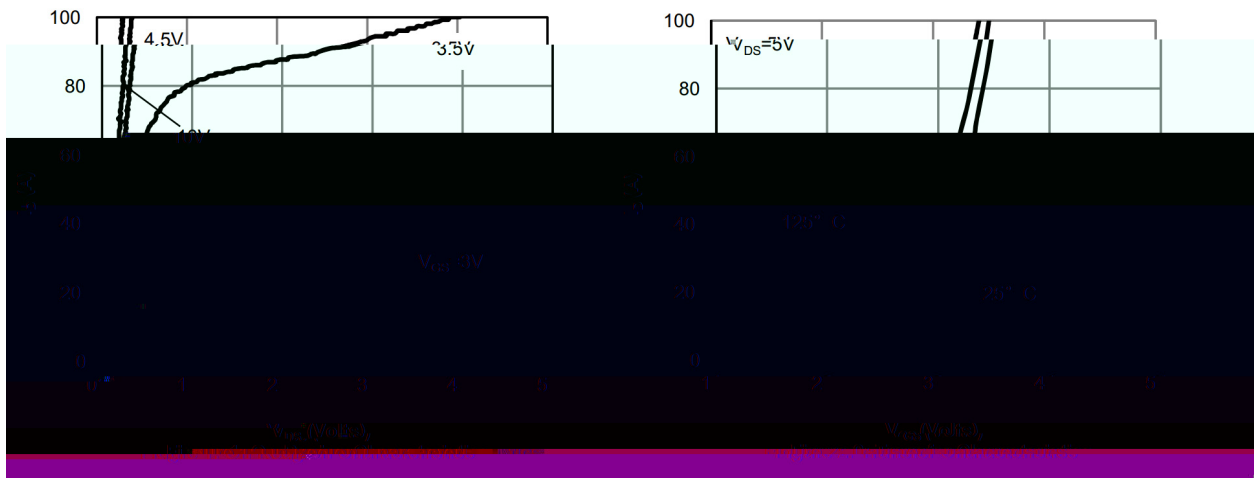


Figure 3: Drain Current vs. Drain-Source Voltage

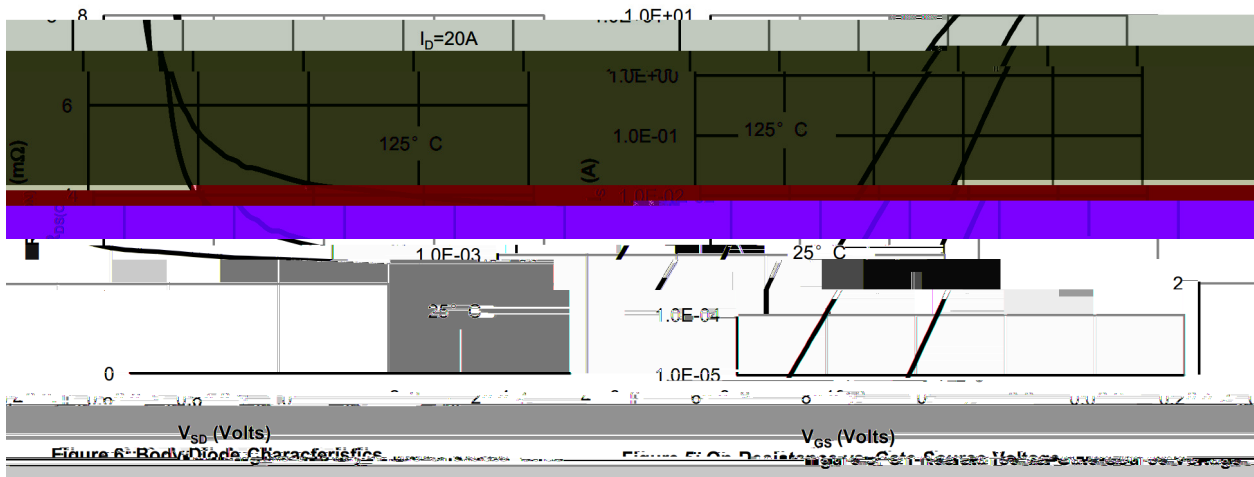
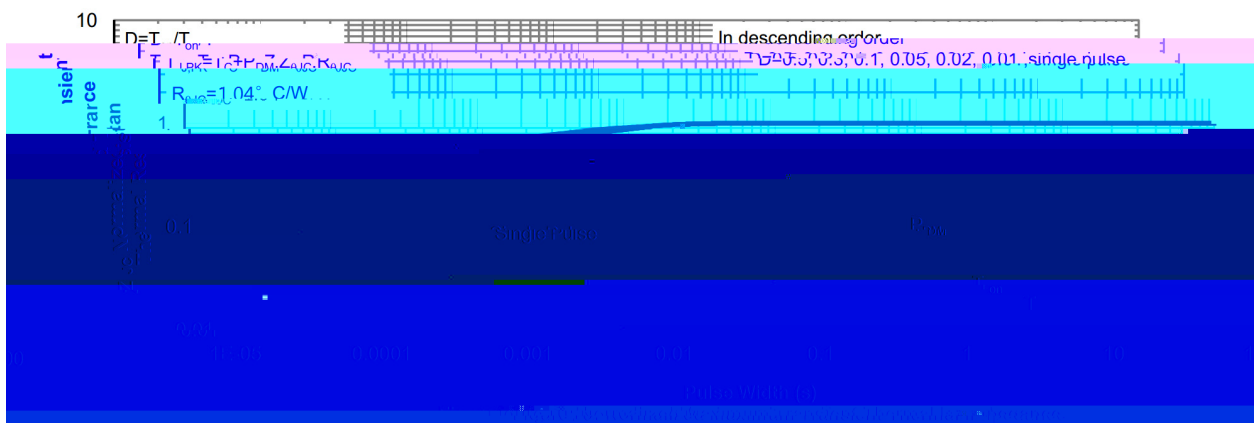
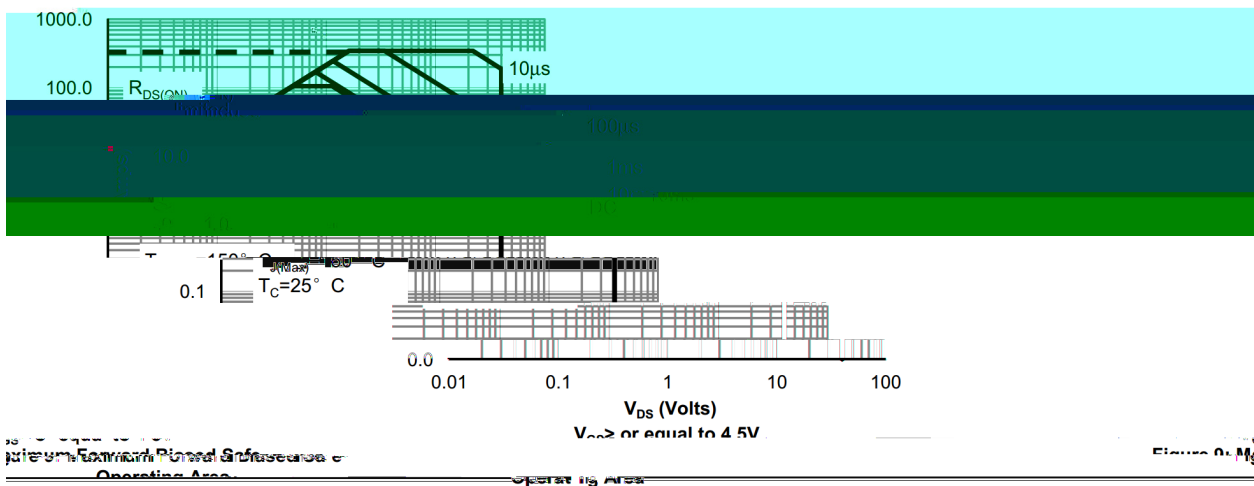
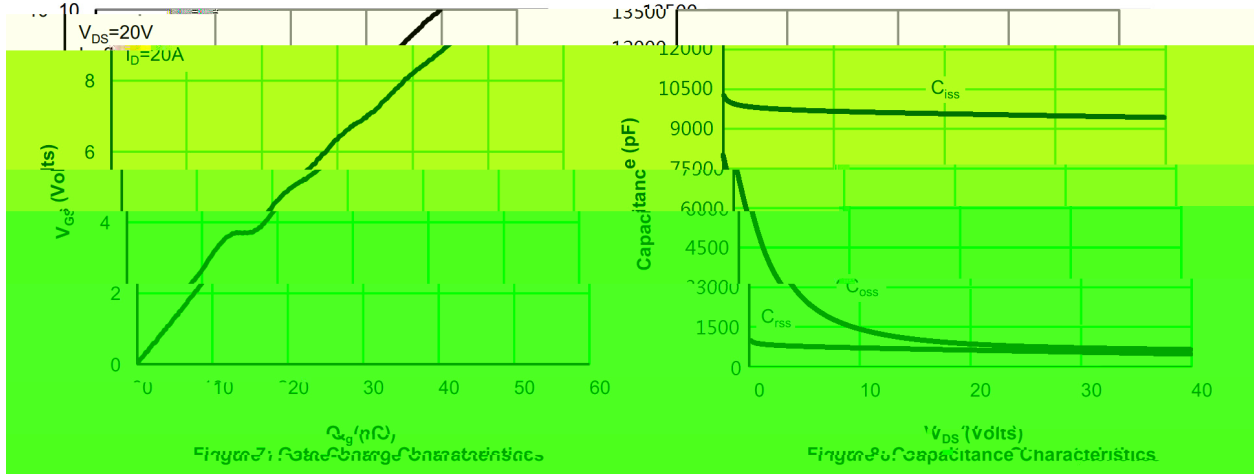
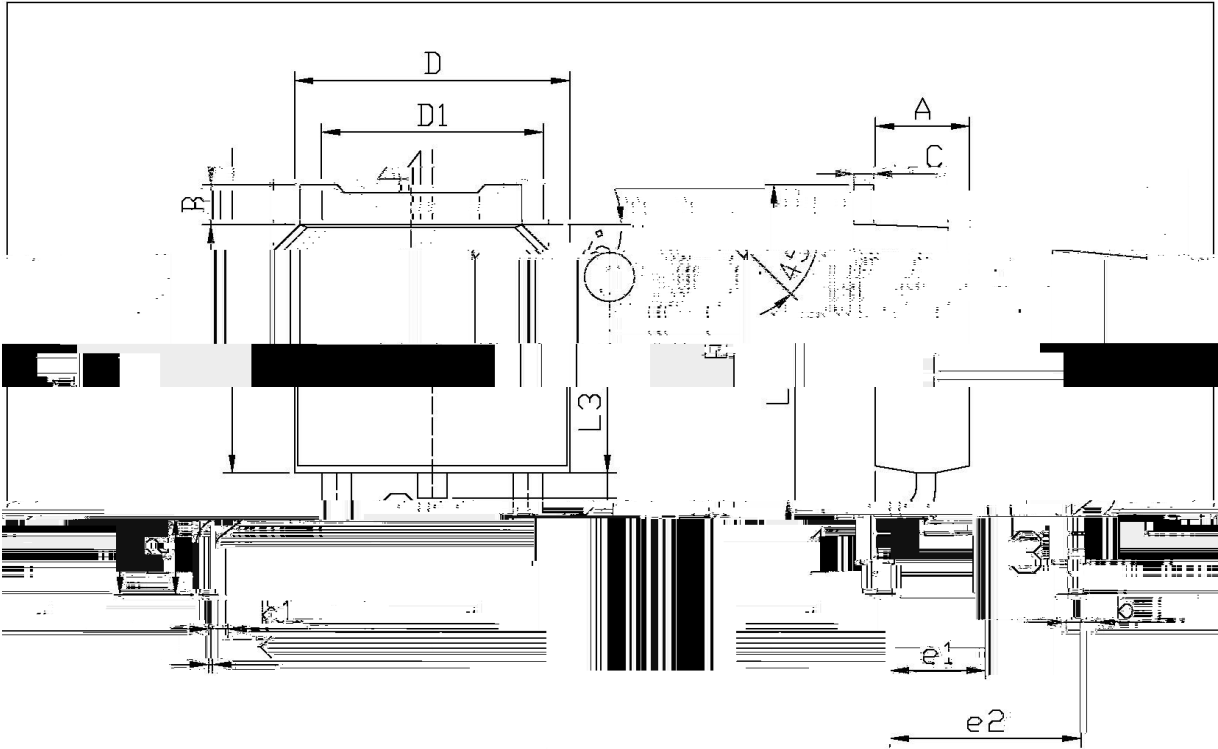


Figure 6: Body Diode Characteristics

# / Electrical Characteristic Curve



/ Package Dimensions

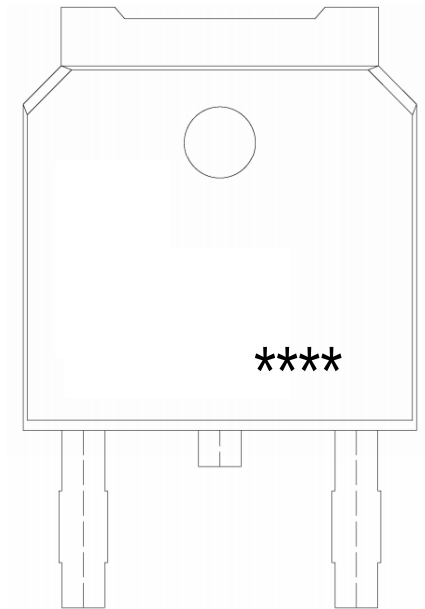


单位: mm

| Symbol | Dimensions In Millimeters |      | Symbol | Dimensions In Millimeters |      |
|--------|---------------------------|------|--------|---------------------------|------|
|        | Min                       | Max  |        | Min                       | Max  |
| $A_1$  | 6.25                      | 7.20 | $E$    | 2.40                      | 5.95 |
| $B_1$  | 2.34                      | 2.5  | $e_1$  | 2.94                      |      |
| $e_2$  | 0.43                      | 0.70 | $h$    | 0.90                      |      |
| $L_1$  | 0.55                      | 9.85 | $b_1$  | 10.35                     | 0.4  |
| $L_2$  | 0.45                      | 0.55 | $D$    | 1.70                      | 2.00 |
| $K$    | 6.75                      | 0.60 | $D_1$  | 6.45                      |      |
|        | 5.10                      | 5.50 |        | 0.10                      |      |

$TQ=252$

/ Marking Instructions



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BRCS030N04DP



DATA SHEET