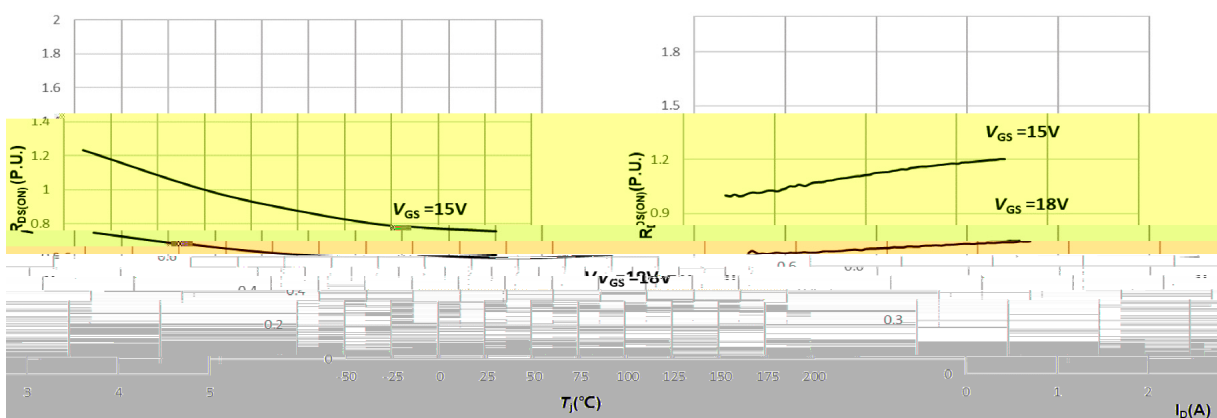
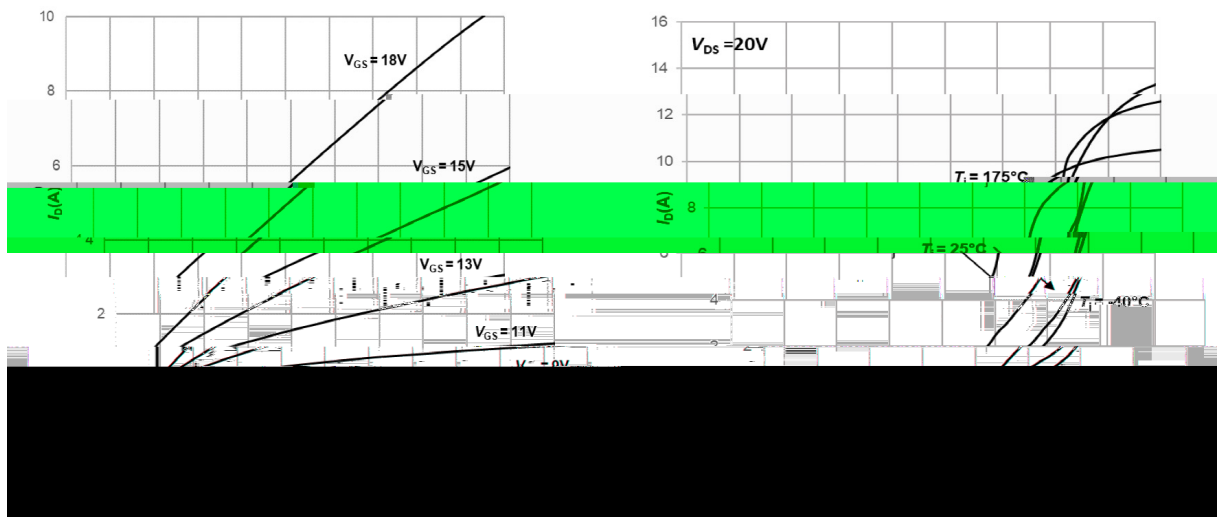
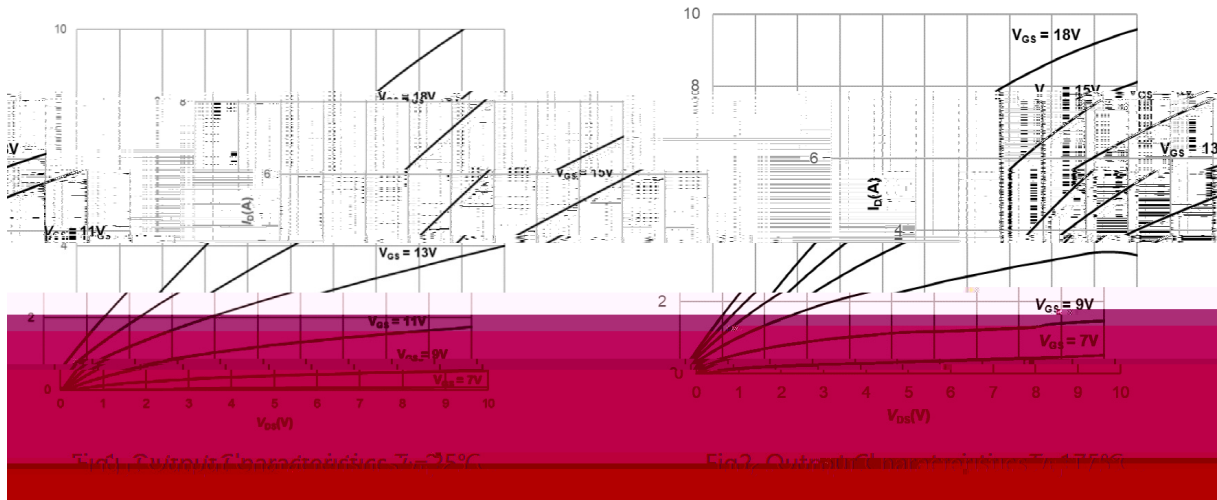






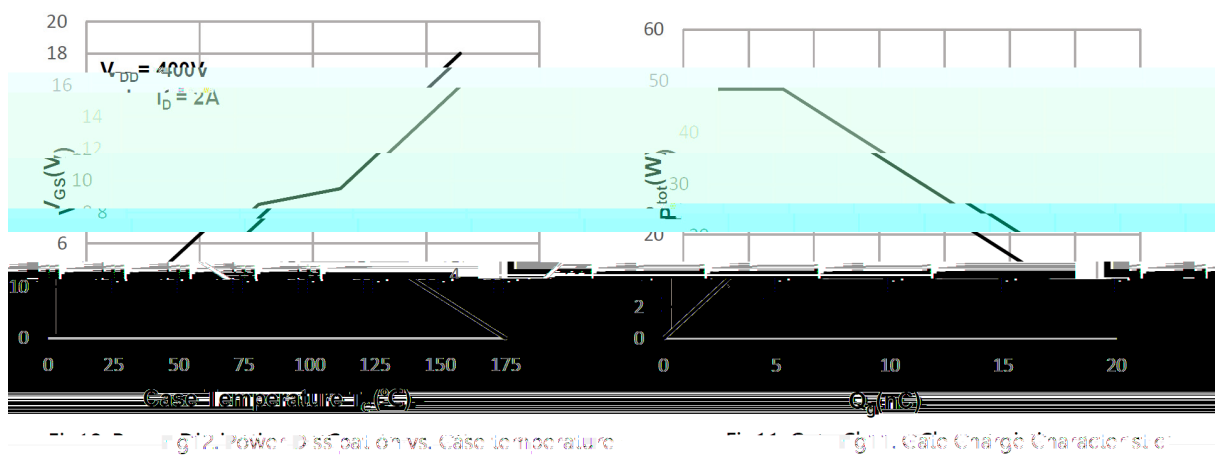
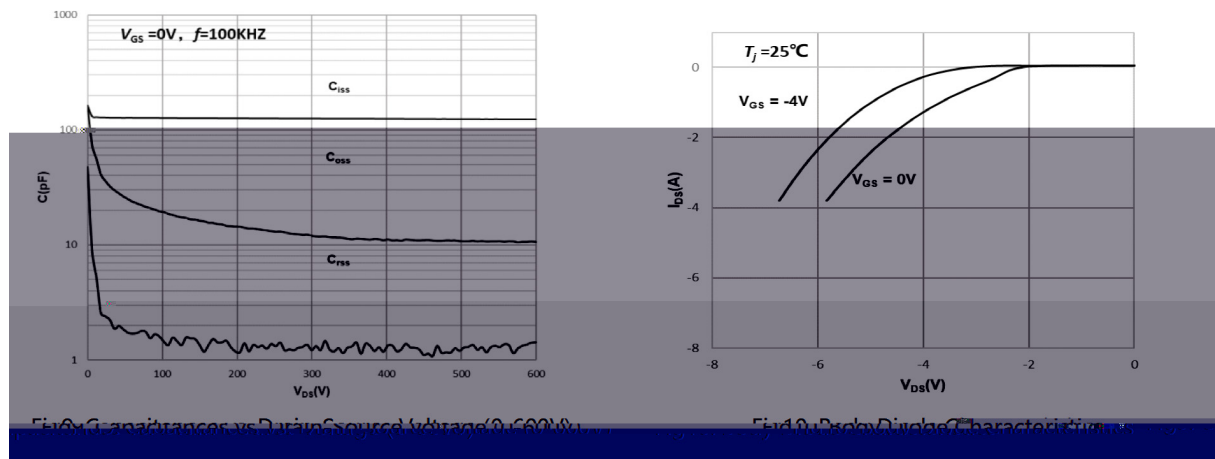
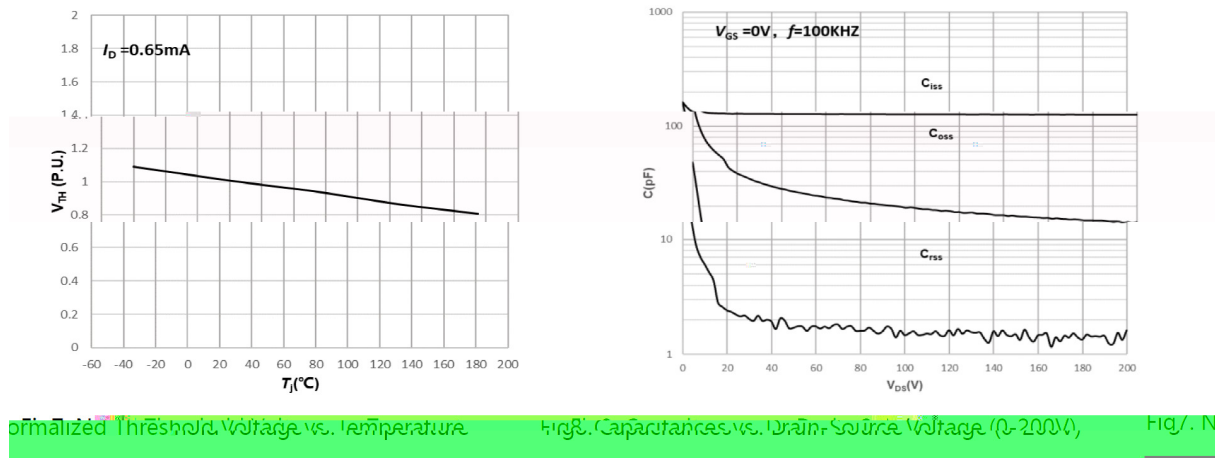
| Parameter                    | Symbol           | Test Conditions                                          | Min | Typ  | Max | Unit |
|------------------------------|------------------|----------------------------------------------------------|-----|------|-----|------|
| Gate resistance              | R <sub>g</sub>   | V <sub>AC</sub> =25mV    f=1MHz                          |     | 11.8 |     |      |
| Input Capacitance            | C <sub>iss</sub> | V <sub>DS</sub> =400V    V <sub>GS</sub> =0V<br>f=100kHz |     | 125  |     | pF   |
| Output Capacitance           | C <sub>oss</sub> |                                                          |     | 11   |     |      |
| Reverse Transfer Capacitance | C <sub>rss</sub> |                                                          |     | 1    |     |      |
| Total Gate Charge            | Q <sub>g</sub>   | V <sub>GS</sub> =0/15V,    V <sub>DS</sub> =400V,        |     |      |     |      |



Resistance vs. Drain

Fig5. Normalized On-Resistance vs. Temperature

Fig6. Normalized On-R



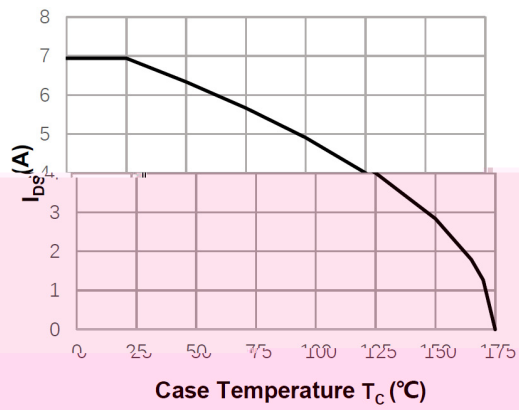
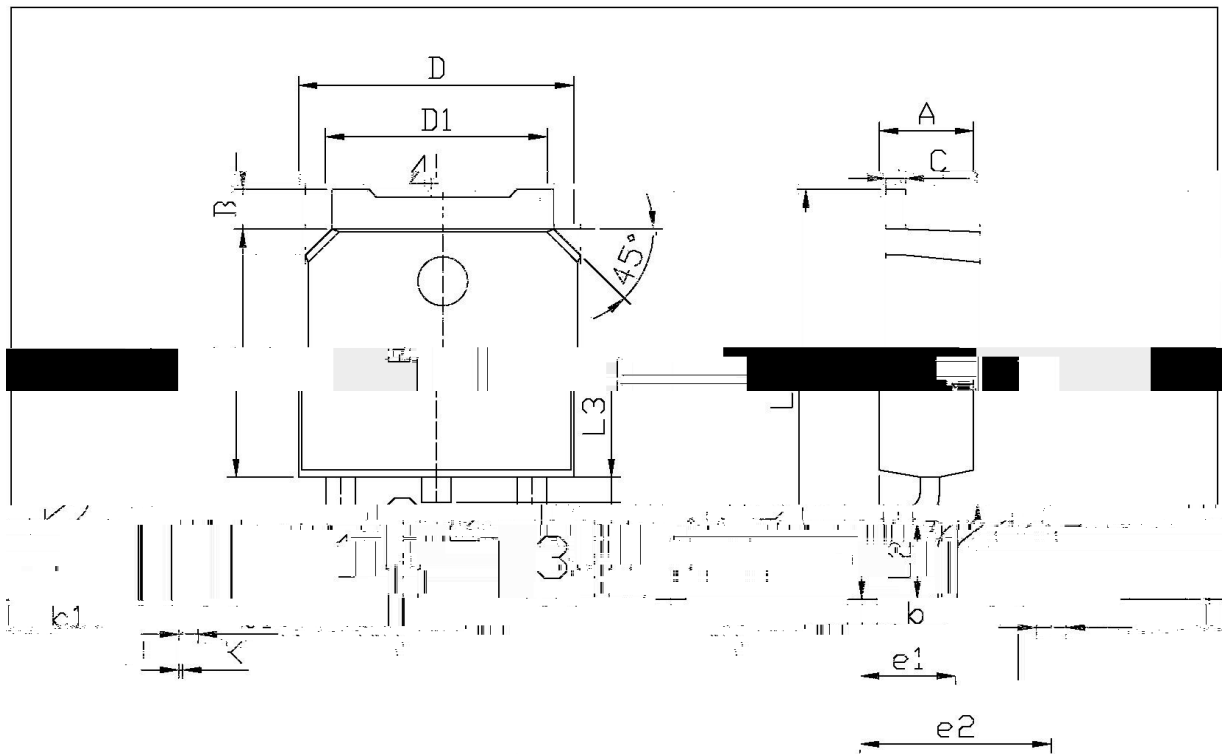


Fig13. Continuous Drain Current vs. Case Temperature

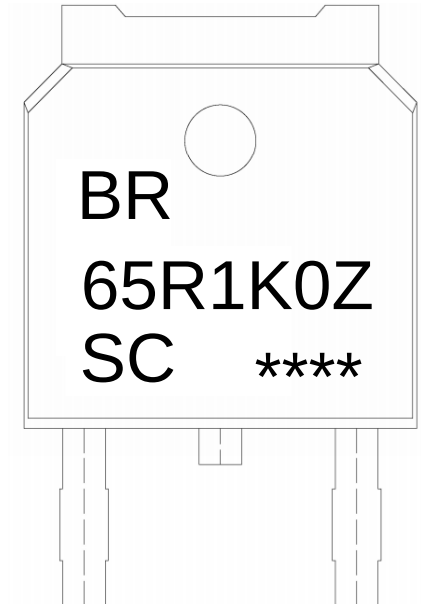


单位: mm

| Symbol |  |  | Dimensions In Millimeters |  |      | Symbol |  |  | Dimensions In Millimeters |  |       |
|--------|--|--|---------------------------|--|------|--------|--|--|---------------------------|--|-------|
|        |  |  | Min                       |  | Max  |        |  |  | Min                       |  | Max   |
| 0.95   |  |  | 0.95                      |  | 1.25 | e1     |  |  | 2.24                      |  | 2.34  |
| 0.30   |  |  | 0.30                      |  | 0.40 | 2.4    |  |  | 4.48                      |  | 4.73  |
| 0.45   |  |  | 0.45                      |  | 0.55 | L1     |  |  | 9.85                      |  | 10.35 |
| 0.30   |  |  | 0.30                      |  | 0.45 | J2     |  |  | 1.70                      |  | 2.00  |
| 0.60   |  |  | 0.60                      |  | 0.90 | D      |  |  | 6.45                      |  | 6.75  |
| 0.00   |  |  | 0.00                      |  | 0.10 | D1     |  |  | 5.10                      |  | 5.50  |

52

T□=2



BR

65R1K0Z

SC

\*\*\*\*

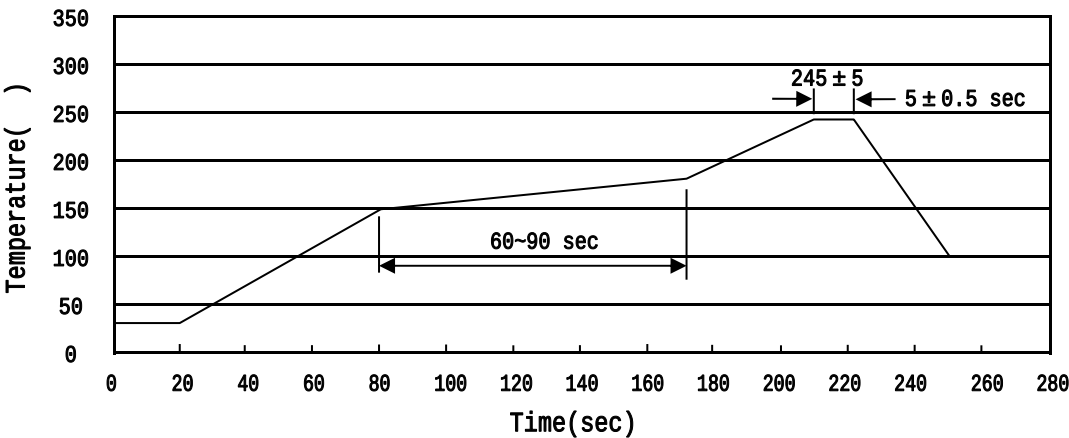
Note:

BR: Company Code

65R1K0Z: Product Type Code

SC: SiC

\*\*\*\*: Lot No. Code, code change with Lot No.



Note:

- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245±5

5±0.5sec;

2.Peak Temp.:245±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

| Package Type<br>封装形式 | Units 包装数量         |                         |                        |                              |                        | Dimension 包装尺寸 (unit: mm³) |             |             |
|----------------------|--------------------|-------------------------|------------------------|------------------------------|------------------------|----------------------------|-------------|-------------|
|                      | Units/Reel<br>只/卷盘 | Reels/Inner Box<br>卷盘/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | Reel                       | Inner Box 盒 | Outer Box 箱 |
| TO-252               | 2,500              | 2                       | 5,000                  | 6                            | 30,000                 | 13 ×16                     | 360×360×50  | 380×335×366 |

/ TUBE

| Package Type<br>封装形式 | Units 包装数量         |                         |                        |                              |                        | Dimension 包装尺寸 (unit: mm³) |             |             |
|----------------------|--------------------|-------------------------|------------------------|------------------------------|------------------------|----------------------------|-------------|-------------|
|                      | Units/Tube<br>只/套管 | Tubes/Inner Box<br>套管/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | Tube 套管                    | Inner Box 盒 | Outer Box 箱 |
| TO-251/252           | 75                 | 48                      | 3,600                  | 5                            | 18,000                 | 526×20.5×5.25              | 555×164×50  | 575×290×180 |

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