

## Rev.A Jul.-2023

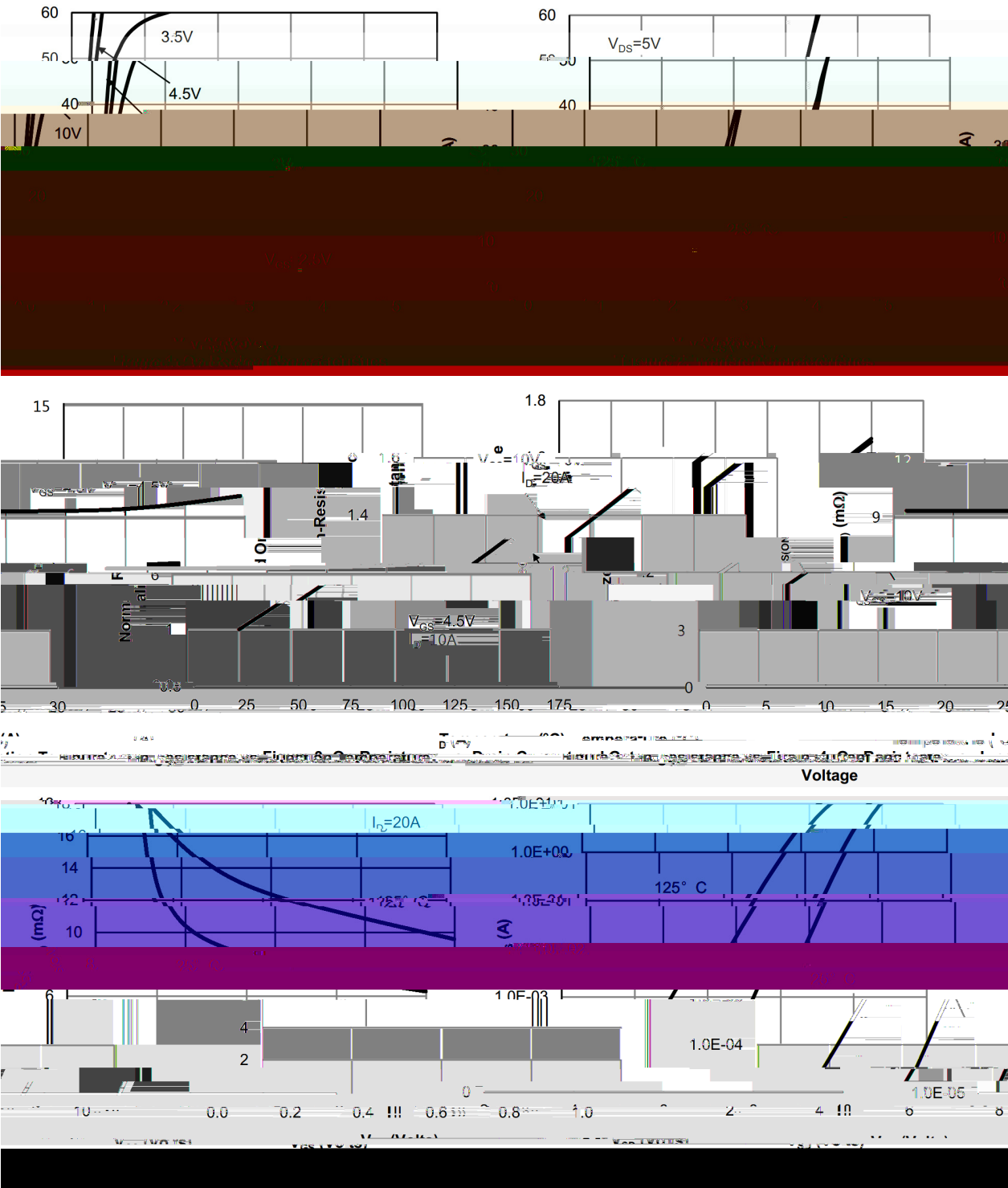
Parameter

# BRCS070N03DSC

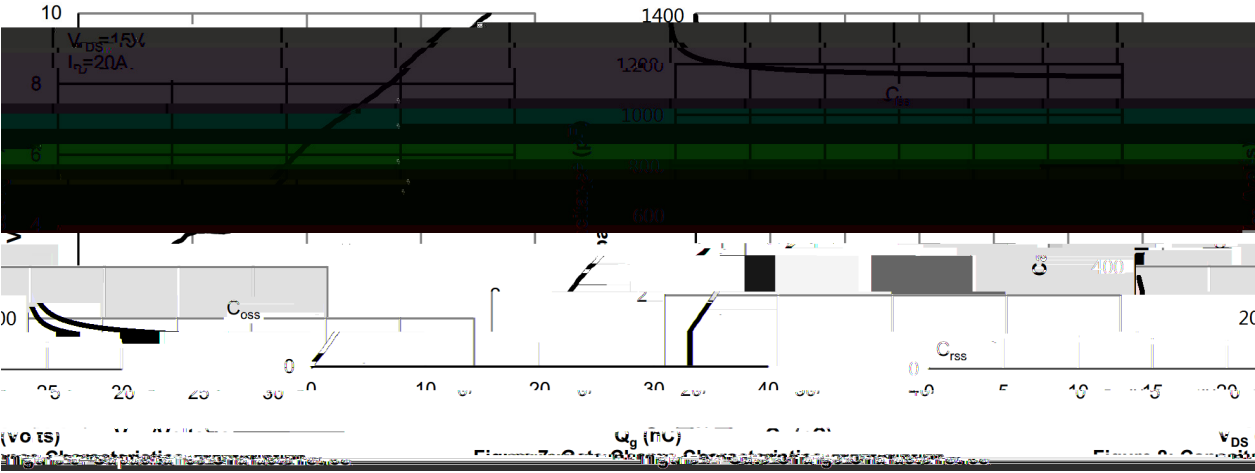
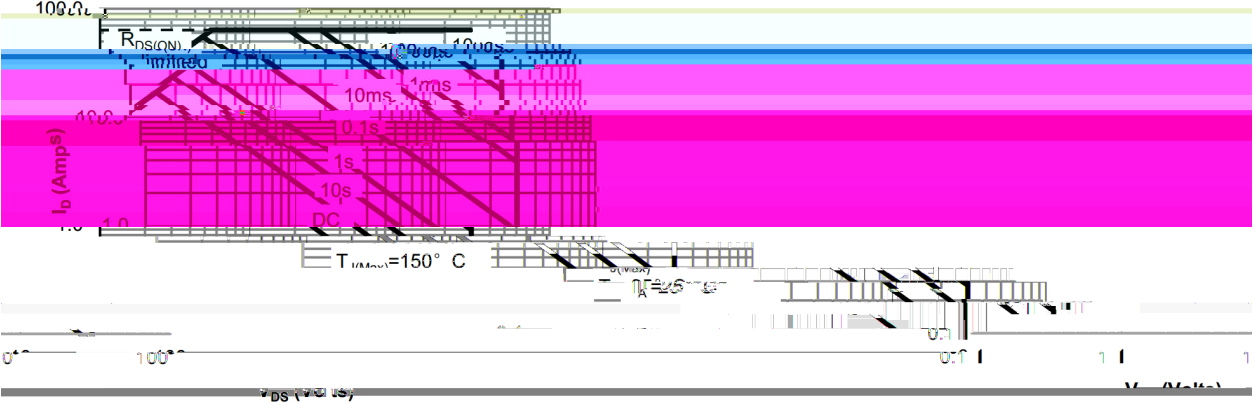
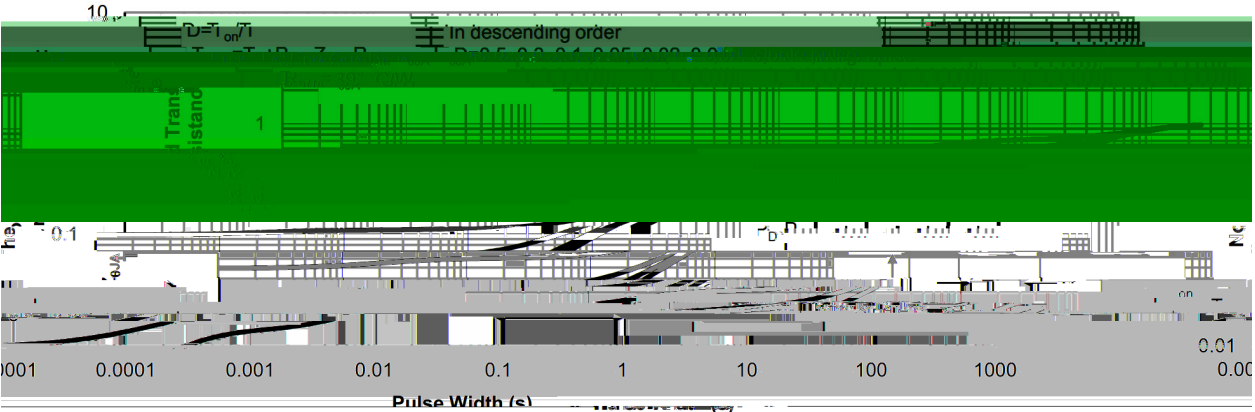
Rev.A Jul.-2023

| Parameter           | Symbol       | Test Conditions                                                                | Min | Typ | Max | Unit |
|---------------------|--------------|--------------------------------------------------------------------------------|-----|-----|-----|------|
| Turn-On Delay Time  | $t_{d(on)}$  | $V_{DS}=15\text{ V}$ $V_{GS}=10\text{V}$<br>$R_L=0.75\Omega$ $R_{GEN}=3\Omega$ |     | 11  |     | ns   |
| Turn-On Rise Time   | $t_r$        |                                                                                |     | 14  |     | ns   |
| Turn-Off Delay Time | $t_{d(off)}$ |                                                                                |     | 38  |     | ns   |
| Turn-Off Fall Time  | $t_f$        |                                                                                |     | 10  |     | ns   |

/ Electrical Characteristic Curve

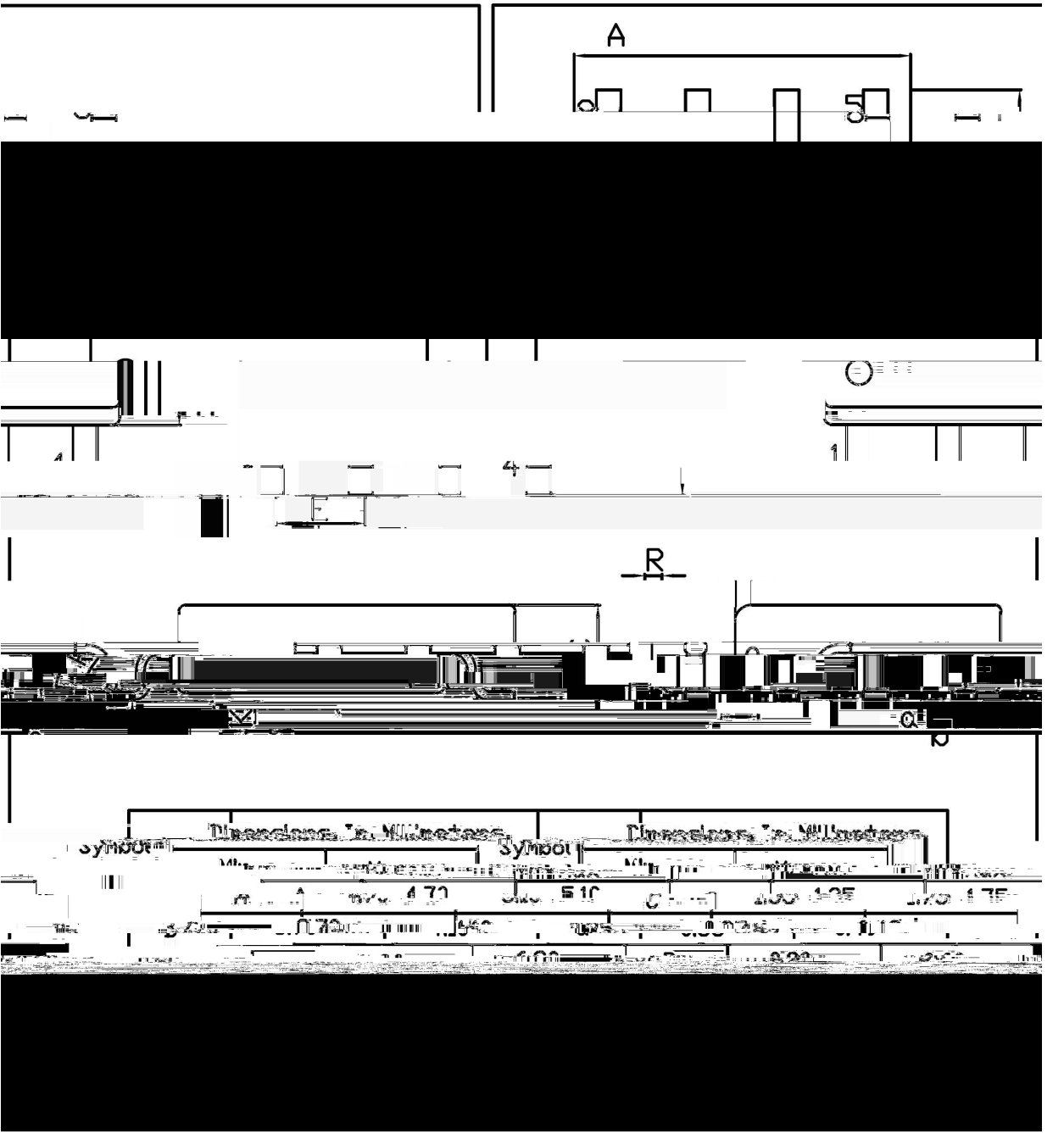


/ Electrical Characteristic Curve

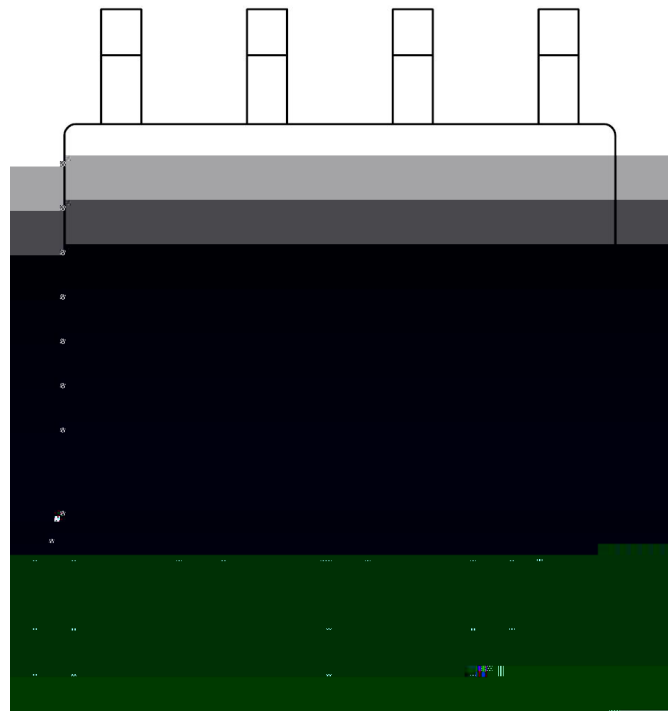


/ Package Dimensions

SOP-8 Unit:mm



## / Marking Instructions



BR

070N03D

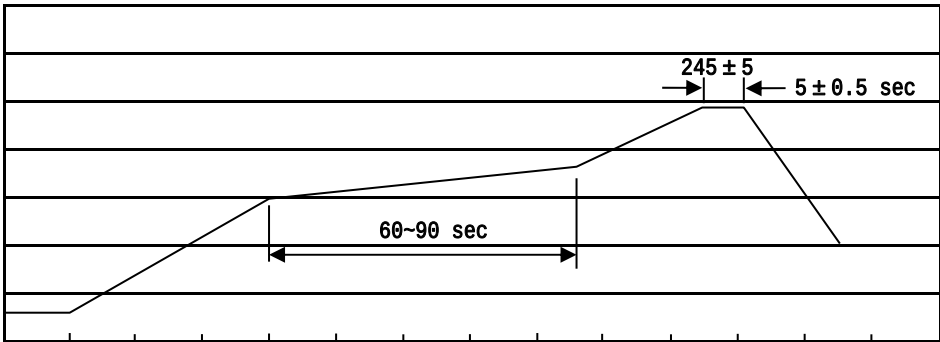
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Note:

BR:           Company Code

070N03D:   Product Type

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



- Note:

1

150 180

60 90sec;

2

245±5

5±0.5sec;

3

2 10 /sec.
- 1.Preheating:150~180 , Time:60~90sec.

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

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5                      10±1 sec.                      Temp.:260±5                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

| Package Type | Units      |                 |                 |                       |                 | Dimension (unit mm <sup>3</sup> ) |            |             |
|--------------|------------|-----------------|-----------------|-----------------------|-----------------|-----------------------------------|------------|-------------|
|              | Units/Reel | Reels/Inner Box | Units/Inner Box | Inner Boxes/Outer Box | Units/Outer Box | Reel                              | Inner Box  | Outer Box   |
| SOP/ESOP-8   | 4,000      | 2               | 8,000           | 6                     | 48,000          | 13 ×12                            | 360×360×50 | 380×335×366 |

/ Notices