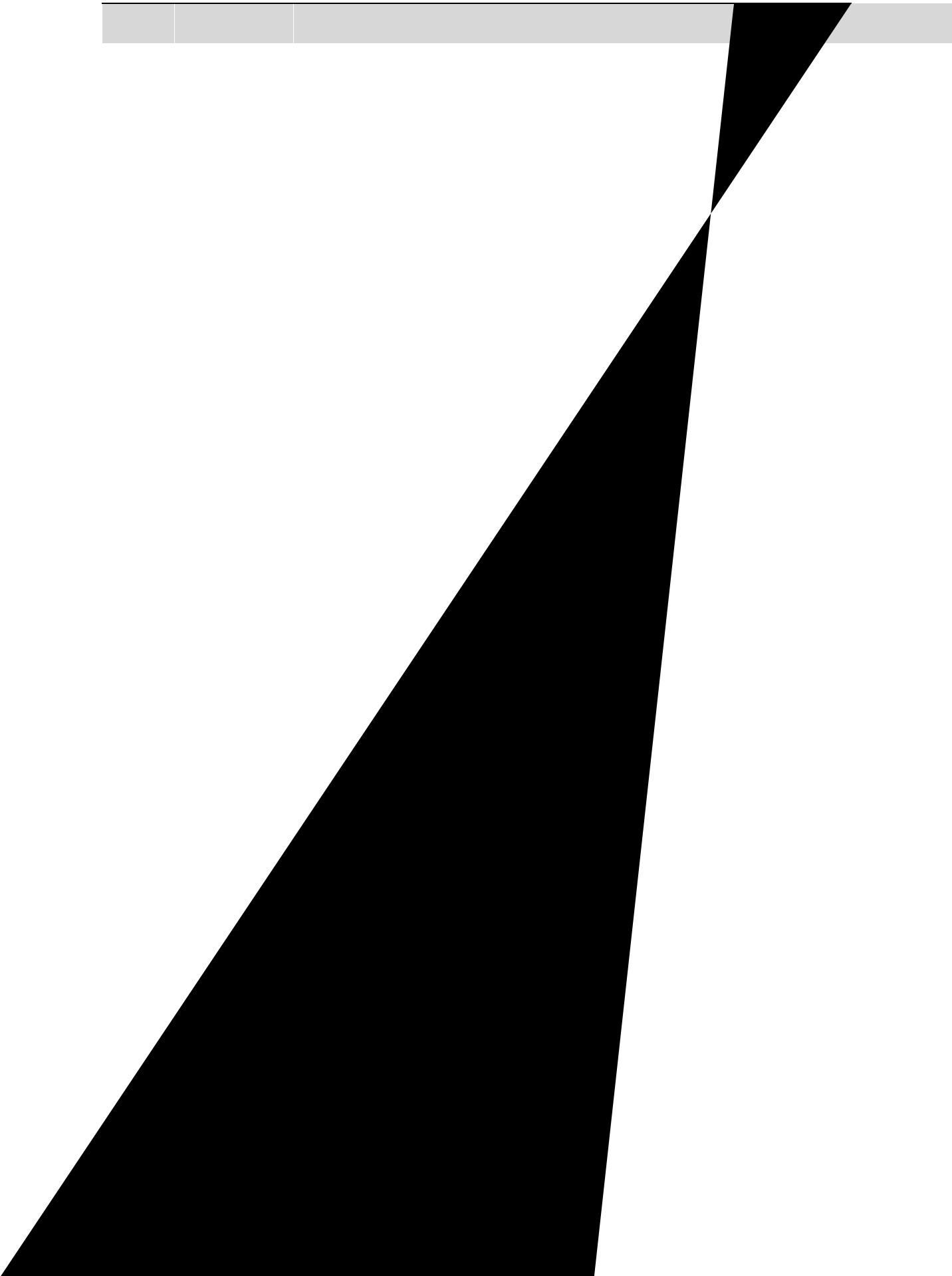
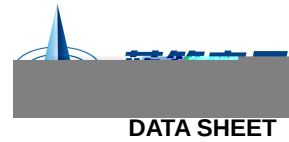




# BRCS030N03ZCQ

Rev.A Aug.-2022



PDFN5×6 N  
N-Channel MOSFET in a PDFN5×6 Plastic Package.

AEC-Q101

Low  $R_{DS(ON)}$  to minimize conductive loss; low Gate Charge for fast switching; Low Thermal resistance;  
Qualified to AEC-Q101 Standards for High Reliability; HF Product.

MB/NB/UMPC/VGA

Buck

# BRCS030N03ZCQ

Rev.A Aug.-2022



DATA SHEET

| Parameter            | !<br>Symbol | "<br>Rating | # \$<br>Unit |
|----------------------|-------------|-------------|--------------|
| Drain-Source Voltage | $V_{DS}$    | 30          | V            |

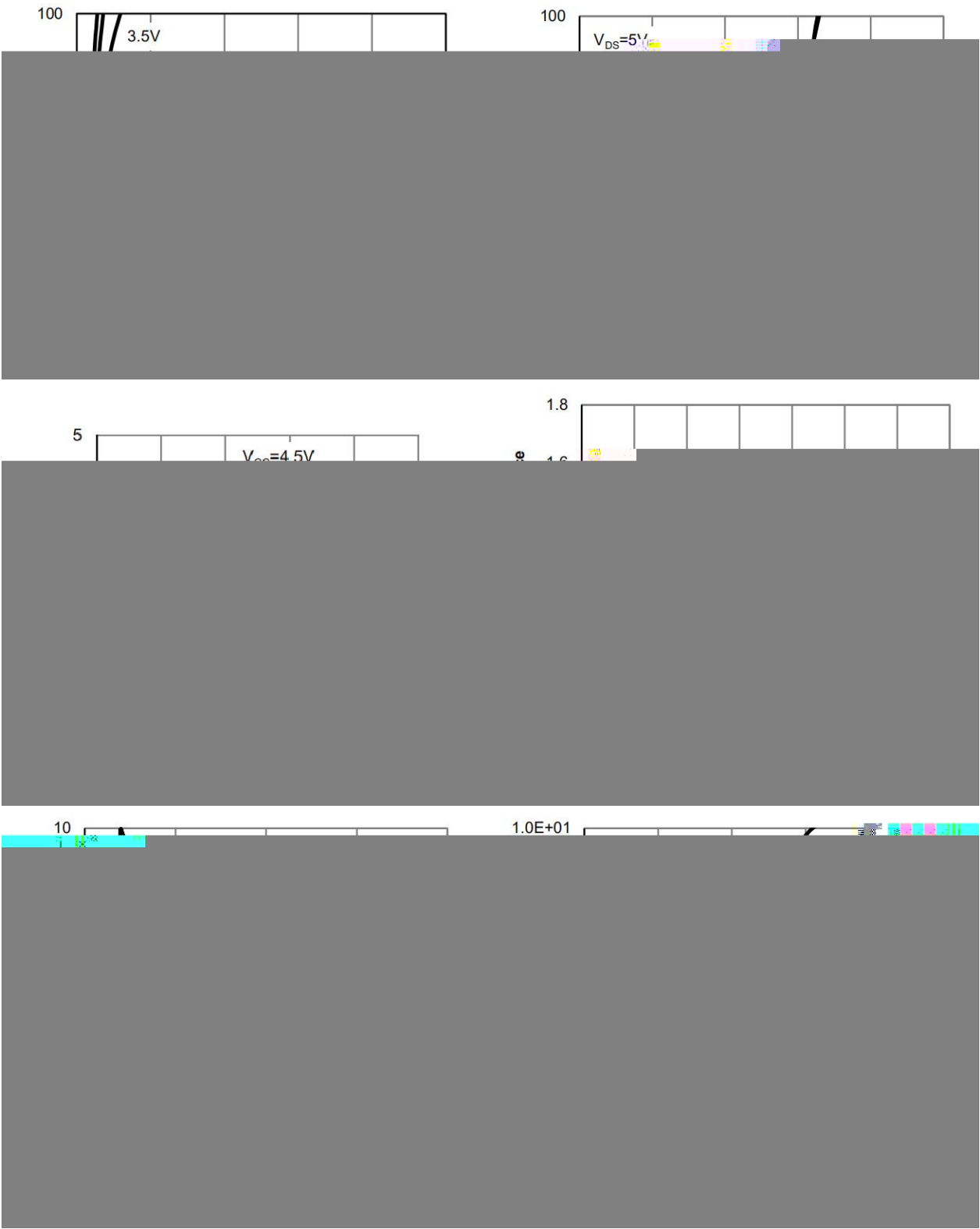
**BRCS030N03ZCQ**

Rev.A Aug.-2022

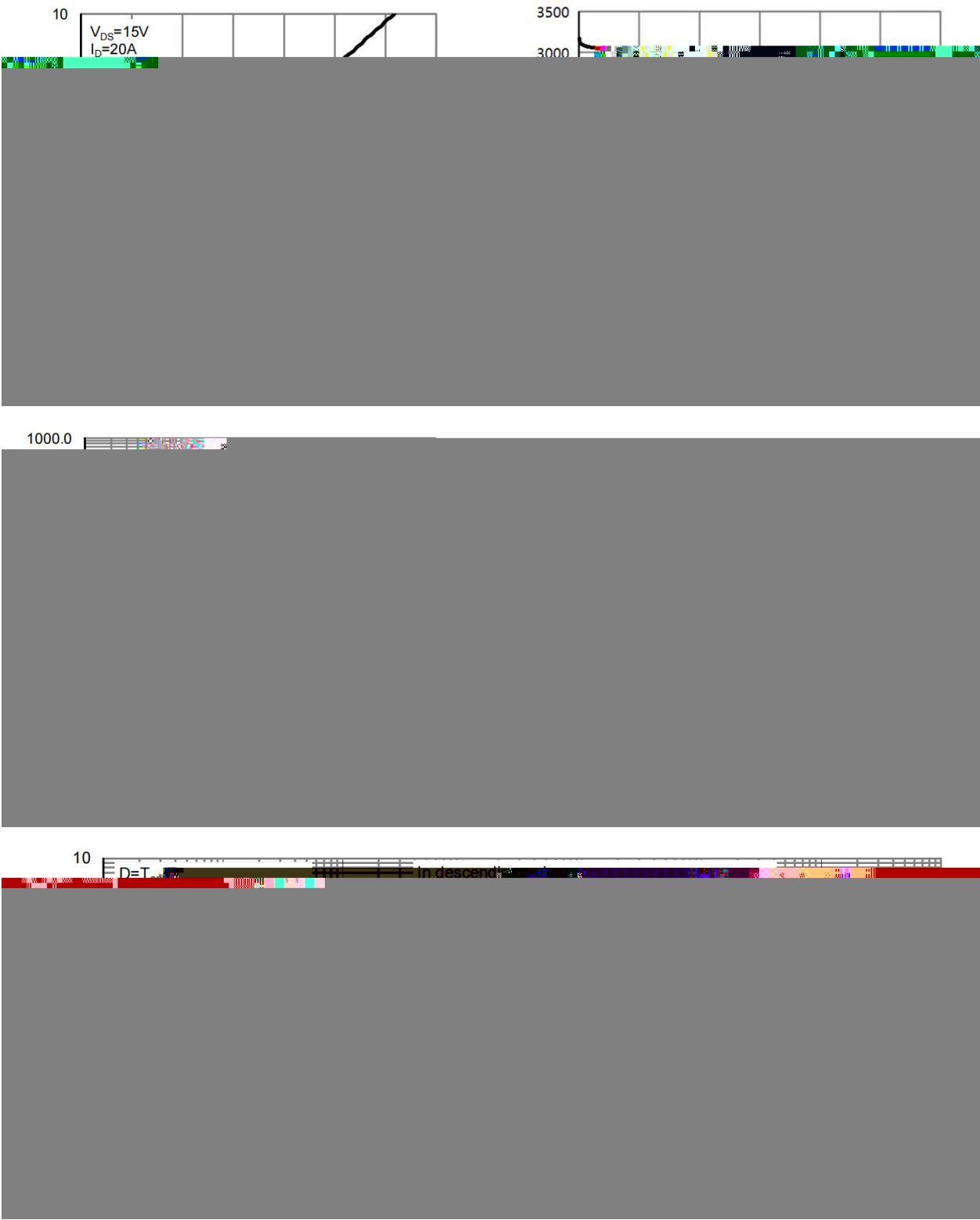


**DATA SHEET**

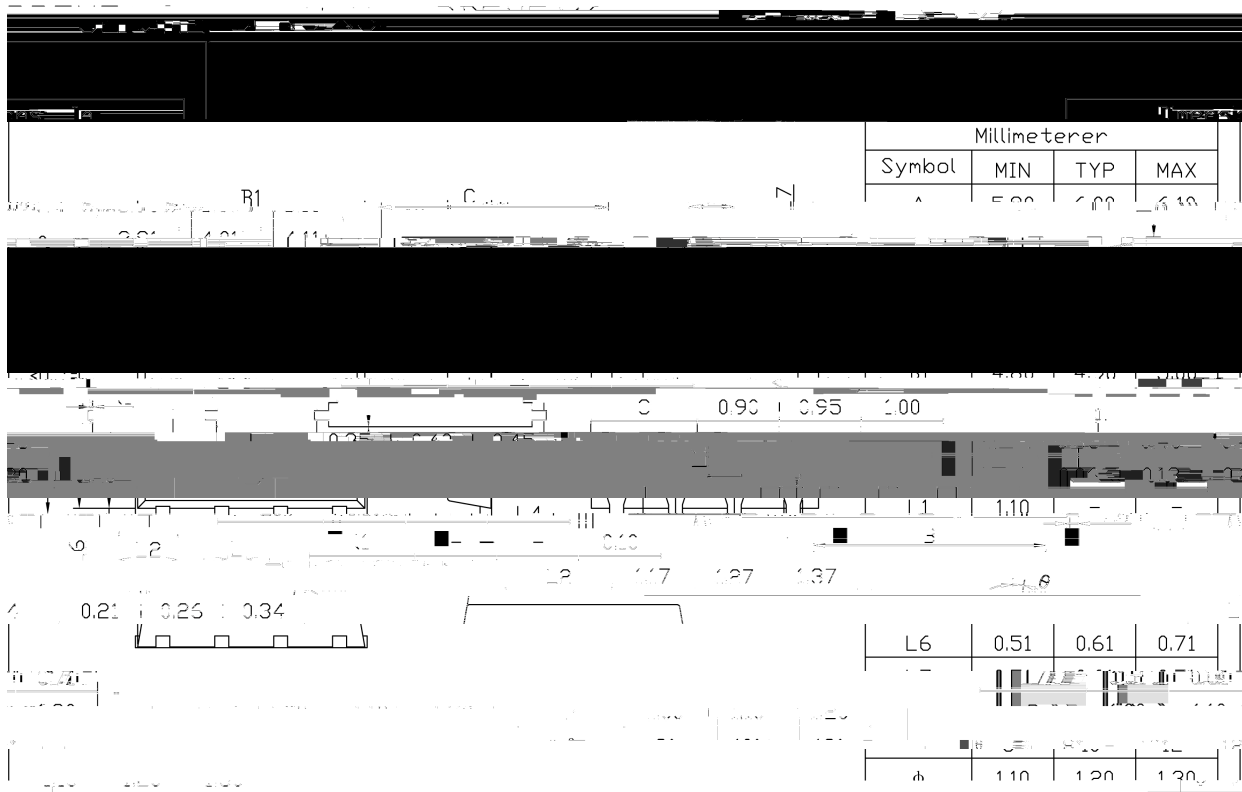
/ Electrical Characteristic Curve



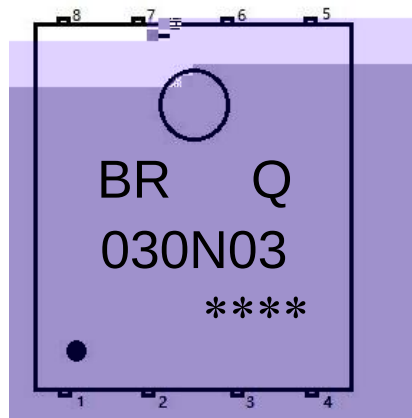
/ Electrical Characteristic Curve



## / Package Dimensions



## / Marking Instructions



. / 0

BR 0 1 2 3 4 5

Q 0 1 6 7 8 9 : ; < =

030N03 0 1 : ; , !

\*\*\*\* 0 1 > : ? ! 4 5 @ A > : ? ! B C

Note 0

BR 0 Company Code

Q: Automobile halogen-free product Code

030N03 0 Product Type

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

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

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

Note:

- |   |            |               |                                         |
|---|------------|---------------|-----------------------------------------|
| 1 | 150    200 | 60    120sec; | 1.Preheating:150~200℃, Time:60~120sec.  |
| 2 | 255±5      | 5±0.5sec;     | 2.Peak Temp.:255±5℃, Duration:5±0.5sec. |
| 3 |            |               |                                         |