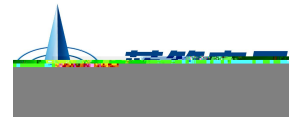


BRD100N03

Rev.A Dec.-2021



DATA SHEET

/ Revised record

A	2021-12-11	ALL	BRD100N03 Ver.D TO-252#		

/ Descriptions

TO-252 N MOS

N-CHANNEL MOSFET in a TO-252 Plastic Package.

/ Features

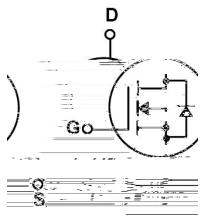
Low gate charge, low crss, fast switching. Halogen-free Product.

/ Applications

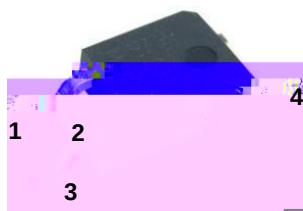
DC/DC

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

/ Equivalent Circuit



/ Pinning



PIN1 G

PIN 2 D

PIN 3 S

PIN 4 D

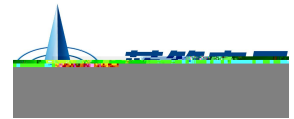
/ h_{FE} Classifications & Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	30	V
Drain Current	$I_D(T_c=25^{\circ}C)$	100	A
Peak Drain Current	I_{DM}	350	A
Gate-Source Voltage	V_{GSS}	± 20	V
Avalanche Current	I_{AS}	30	n

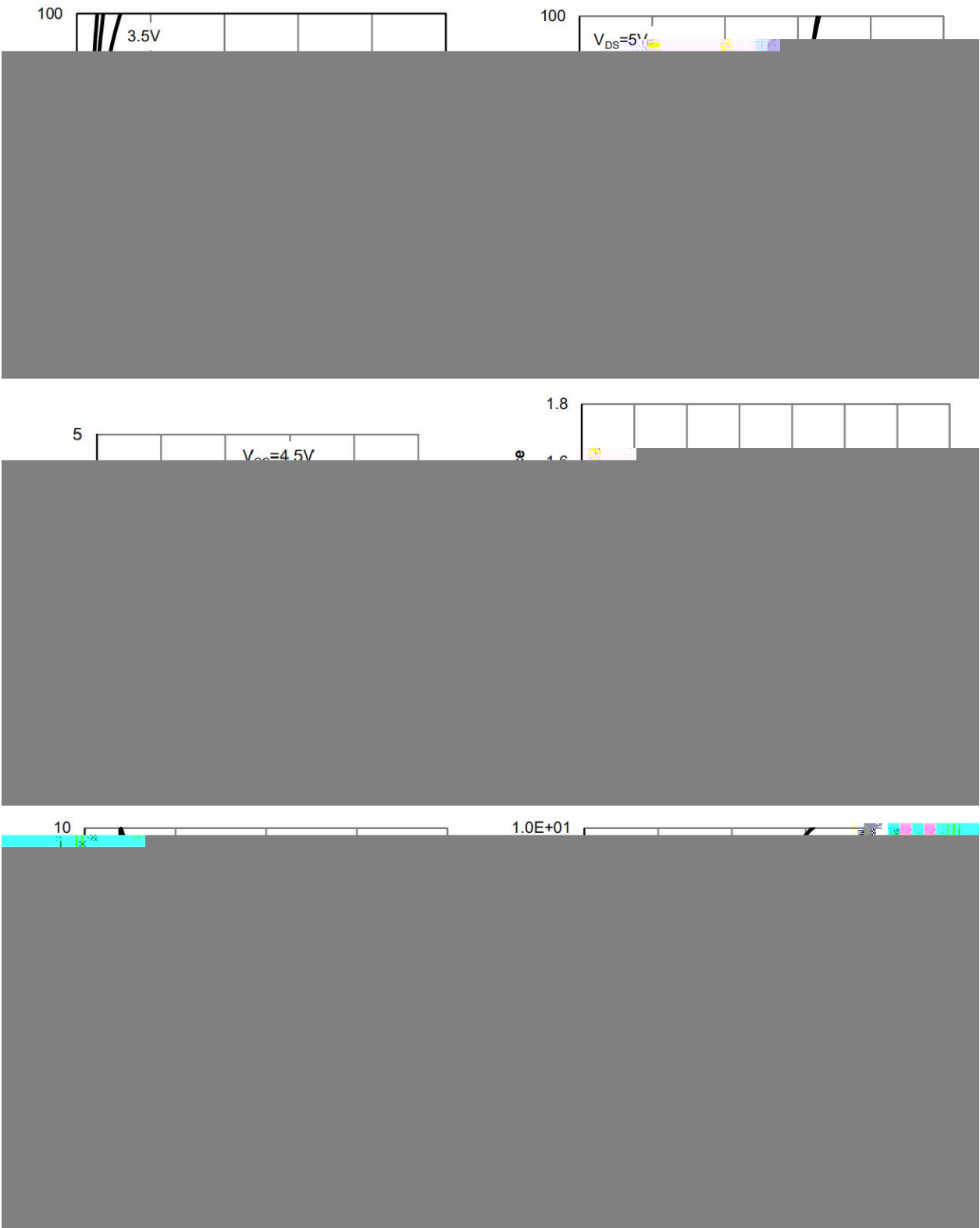
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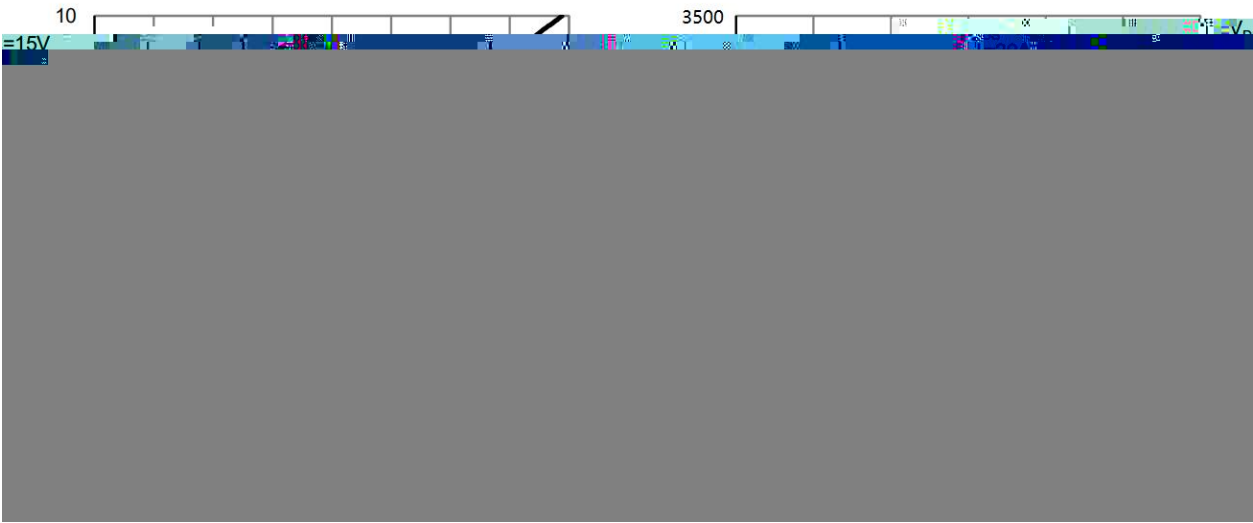
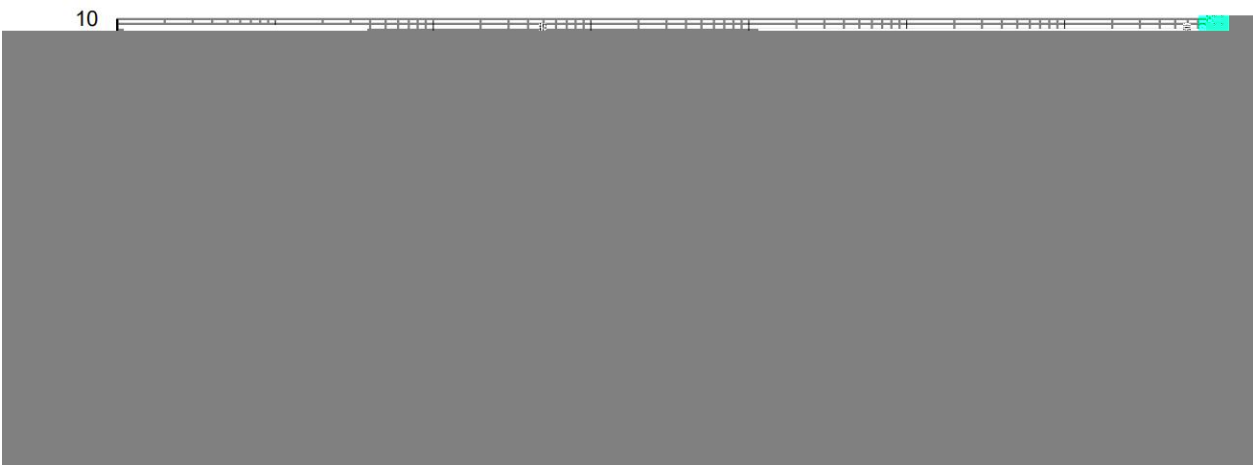


Parameter	Symbol	Test Conditions	Min	Typ	Max
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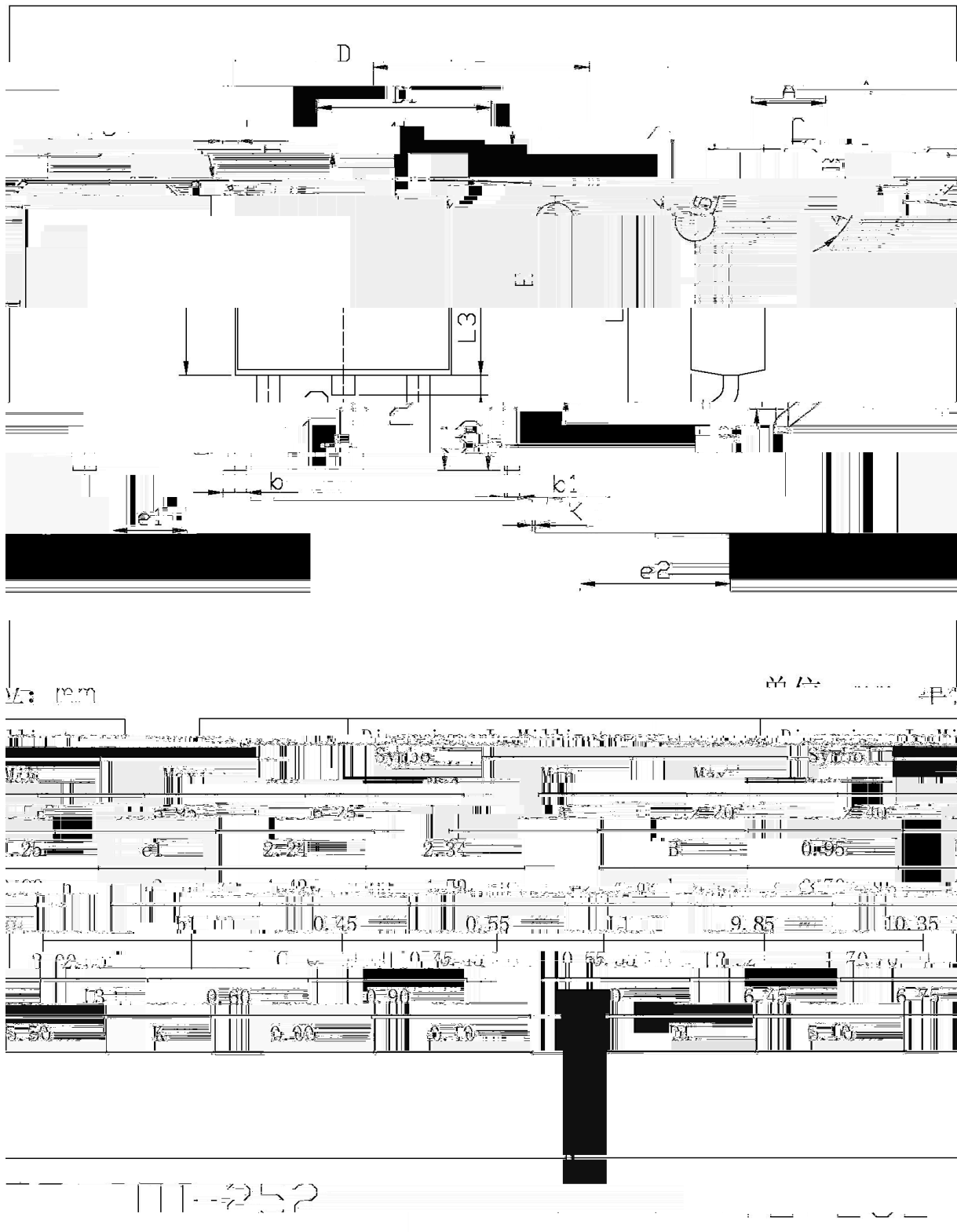
/ Electrical Characteristic Curve



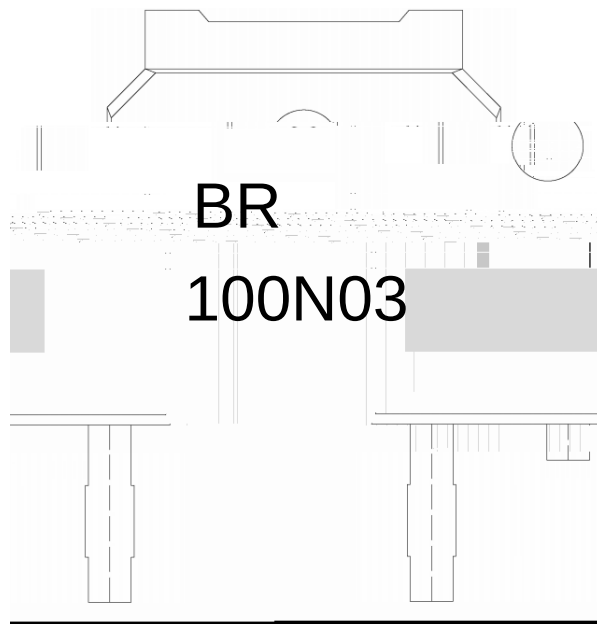
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

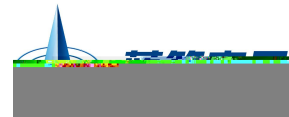
100N03

Note:

BR: Company Code

100N03: Product Type.

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



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

Note:

1. Preheating: 150~180°C, Time: 60~90sec;
2. Peak Temp.: 245±5°C, Duration: 5±0.5sec;
3. Cooling Speed: 2~10°C/sec.

1. Preheating: 150~180°C, Time: 60~90sec.
2. Peak Temp.: 245±5°C, Duration: 5±0.5sec.
3. Cooling Speed: 2~10°C/sec.

/ Resistance to Soldering Heat Test