

/ Revised record

A	2022.08.01	ALL	AOS-AOD4189		

/ Descriptions

TO-252 P MOS

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

/ Features

Low On-Resistance, fast switching, HF Product.

/ Applications

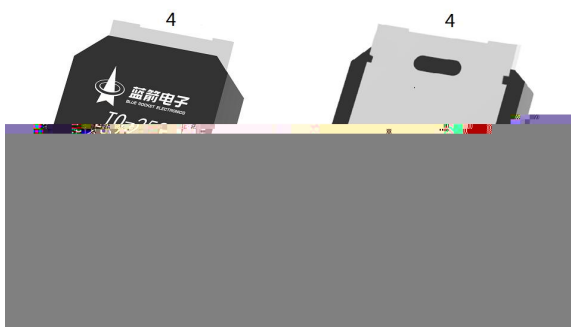
DC/DC

Power Management of Industrial DC/DC Converter.

/ Equivalent Circuit



/ Pinning



PIN1 G

PIN 2 D

PIN 3 S

PIN 4 D

/ Marking

See Marking Instructions.

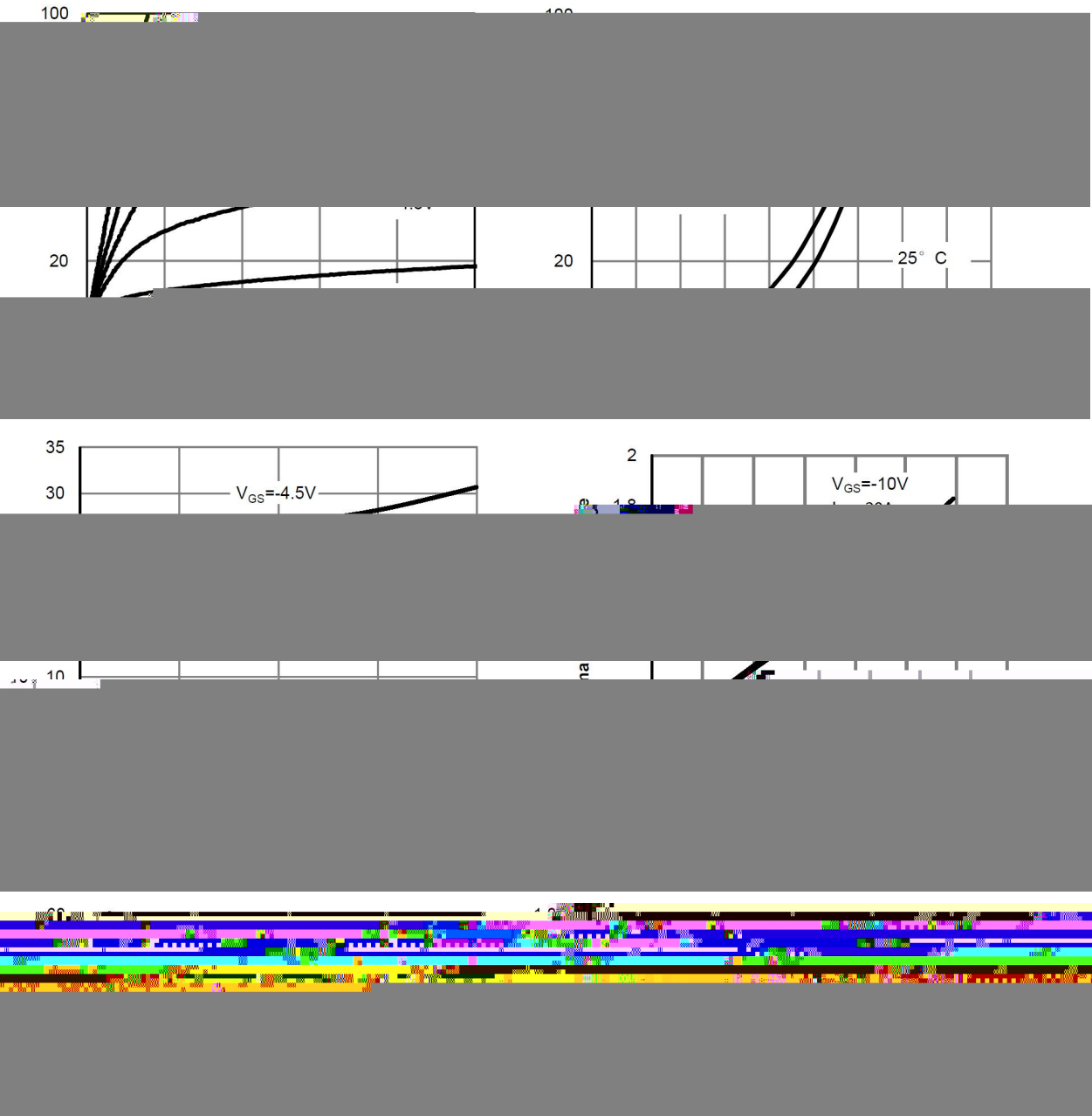
参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Drain-Source Voltage	V_{DS} V	-30	V
Drain Current - Continuous	$I_D(T_c=25\text{ }^{\circ}\text{C})$	-40	A
Drain Current – Pulsed	I_{DM}	-100	A
Gate-Source Voltage	V_{GS}	20	V
Power Dissipation	$P_D(T_c=25\text{ }^{\circ}\text{C})$	62.5	W

Power

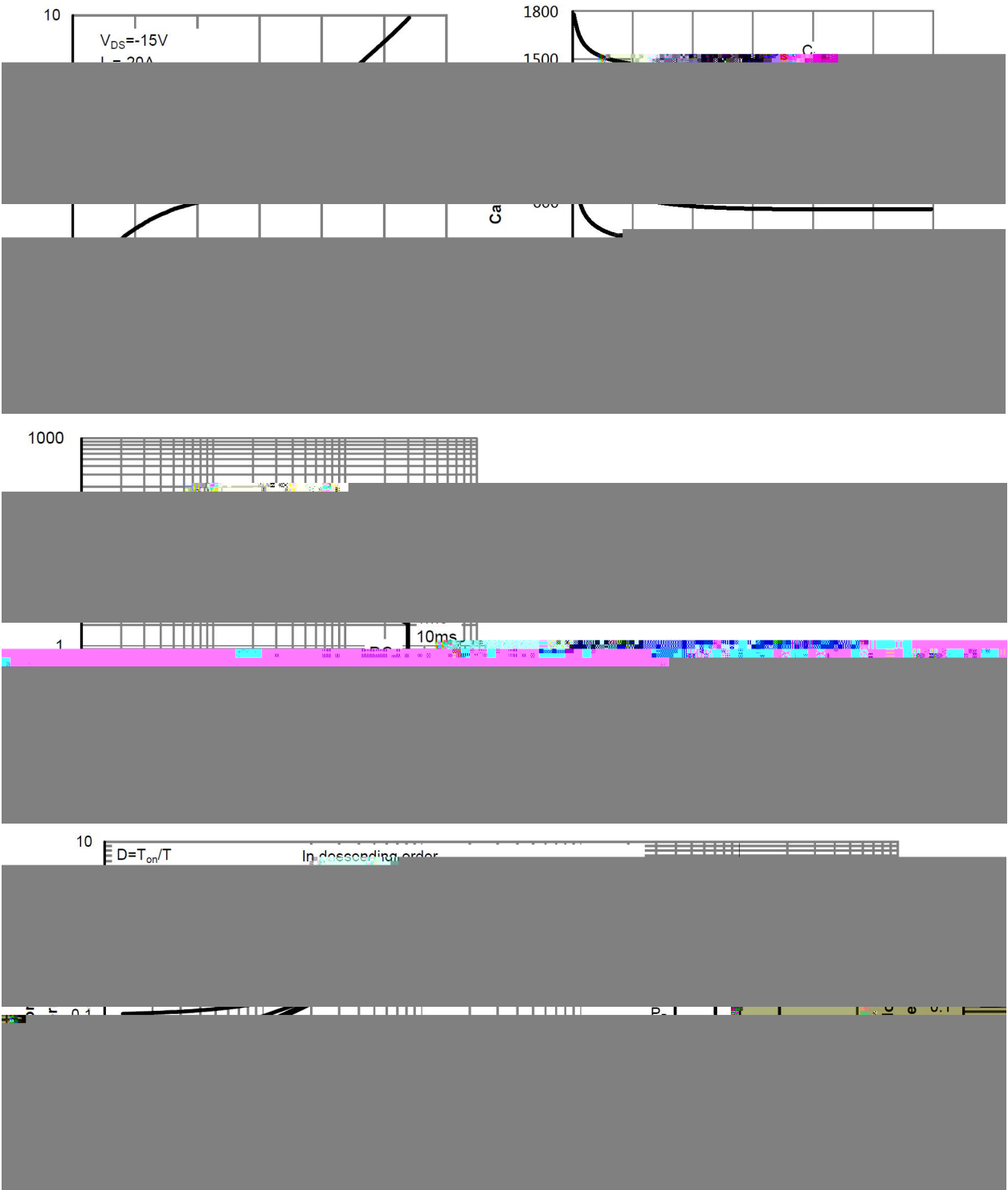


最小値 典型値
Min

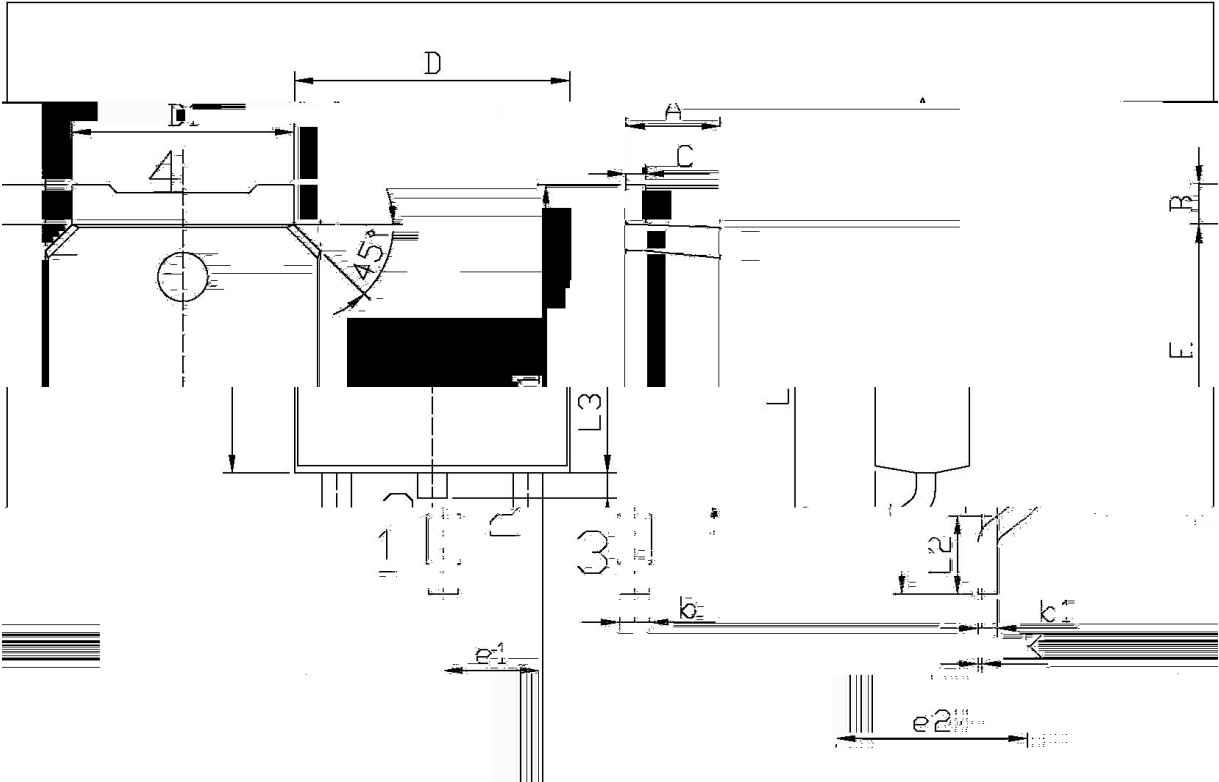
/ Electrical Characteristic Curve



/ Electrical Characteristic Curve

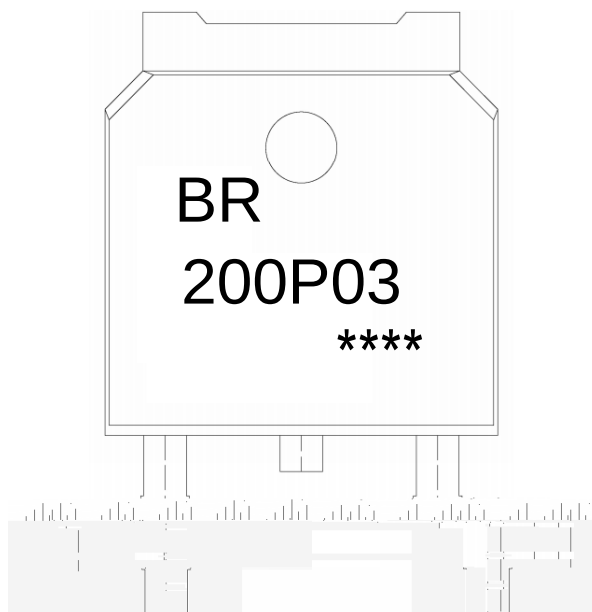


/ Package Dimensions



单位: mm									
Symbol		Symbol		Symbol		Symbol		Symbol	
Max		Max		Max		Max		Max	
2.20		2.20		2.20		2.20		2.20	
1.25		2.20		2.32		8		0.95	
0.20		0.20		1.25		6		2.10	
0.55		1.1		9.85		51		0.45	
2.00		0.7		0.45		1.2		1.70	
51		1.3		0.60		0.90		D	
6.45		A		0.60		0.40		D	
6.45		A		0.60		0.40		D	
6.45		A		0.60		0.40		D	
6.45		A		0.60		0.40		D	
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6.45		A		0.60		0.40		D	
6.45		A		0.60		0.40		D	
6.45</									

/ Marking Instructions



说明：

BR： 为公司代码

200P03： 为产品型号

****： 为生产批号代码，随生产批号变化

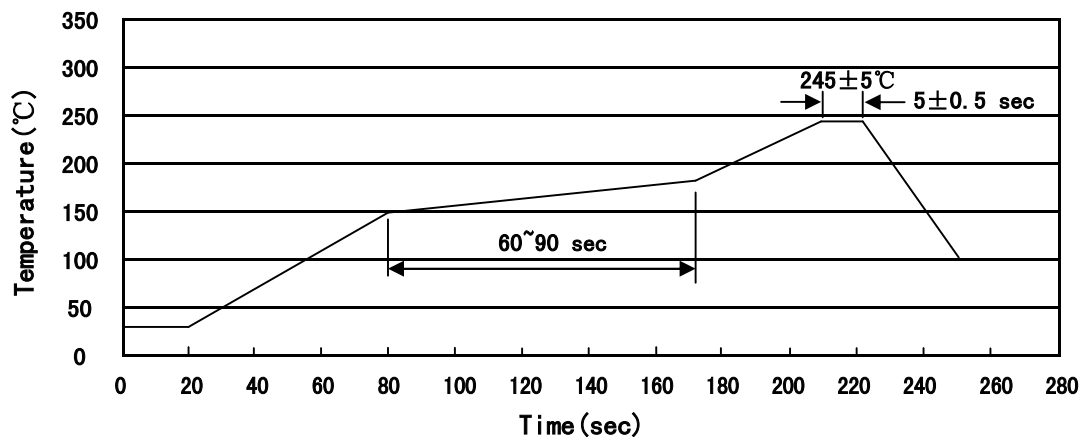
Note:

BR: Company Code

200P03: Product Type

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

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



Note:

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

/ Resistance to Soldering Heat Test Conditions

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 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

/ Notices