

/ Revised record

A			AOS-AOT2144L		

/ DeR

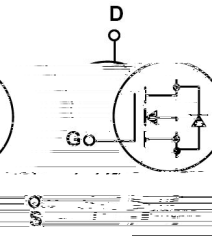
/ 2

TO-220 N
N-CHANNEL MOSFET in a TO-220 Plastic Package.

Ultra Low On-Resistance,fast switching.

PFC

These devices are well suited for high efficient switched mode power supplies, Active power factor correction, electronic lamp ballast based on half bridge topology.



PIN1 G PIN 2 4 D PIN 3 S

/ Marking

See Marking Instructions.

参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Drain-Source Voltage	V_{DS}	30	V
Drain Current	$I_D(T_c=25^{\circ}\text{C})$	217	A
Pulsed Drain Current .	I_{DM}	770	A
Gate-Source Voltage	V_{GS}	± 20	V
Single Pulsed Avalanche Energy L=0.5mH	E_{AS}	590	mJ

1002

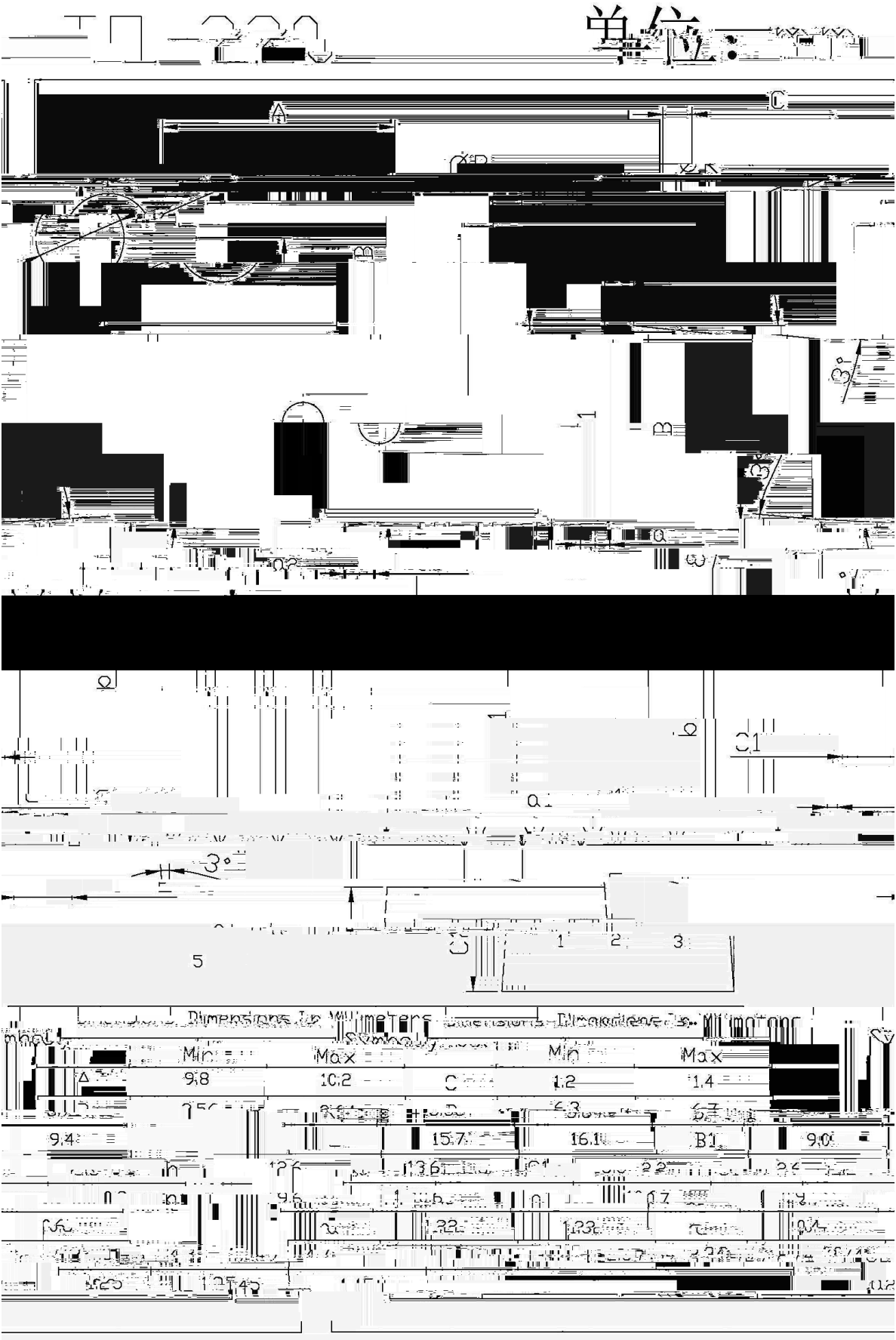
BRCS020N03RA
Rev.A Jun.-2022

DATA SHEET

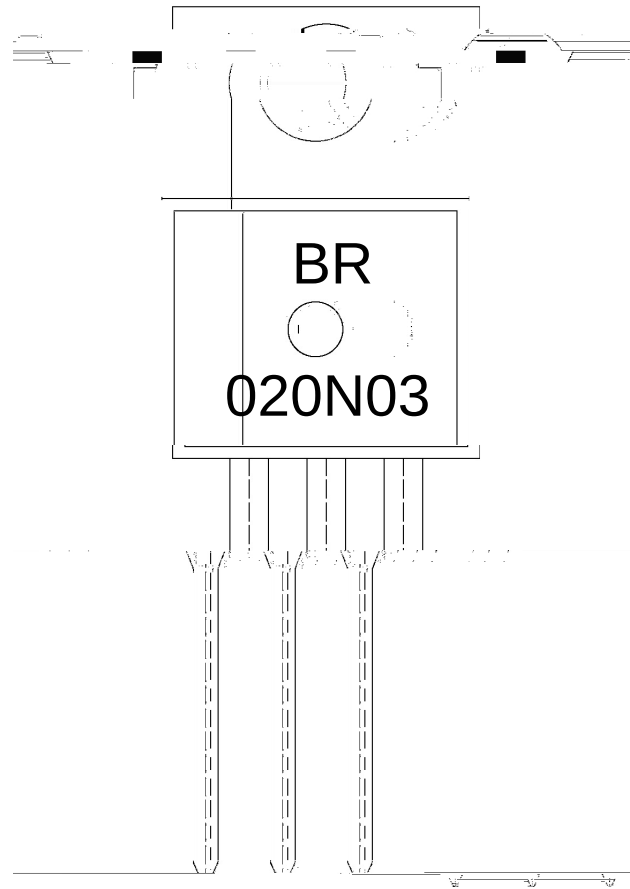
BRCS020N03RA

Rev.A J

/ Package Dimensions



/ Marking Instructions



说明：

BR： 为公司代码

020N03： 为型号代码

****： 为生产批号代码，随生产批号变化

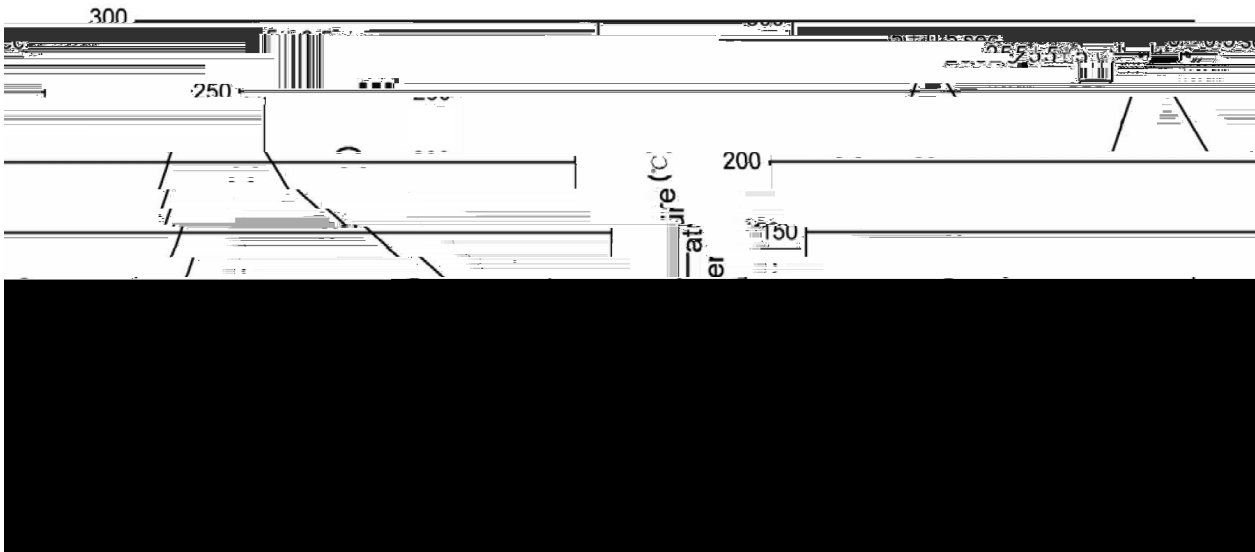
Note:

BR: Company Code

020N03: Product Type

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

() / Temperature Profile for Dip Soldering(Pb-Free)



- Note:
- 1

25 150

60 90sec;

1.Preheating:25~150°C, Time:60~90sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5°C, Duration:5±0.5sec.
- 3

2 10°C/sec.

3. Cooling Speed: 2~10°C/sec.

/ Resistance to Soldering Heat Test Conditions

270±5°C

10±1 sec.

Temp.:270±5°C

Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm ³)	
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