



修订记录 / Revised record

A	2020.08.04	All	BRCS120N03ZB AON2420		
B	2020.09.15		RDSON 10V/20A,4.5V/10A 10V/8A,4.5V/6A		
C	2021-12-1	8	3000 4000		

描述 / Descriptions

DFN 2*2B-6L N MOS

N-Channel Enhancement Mode Field Effect Transistor in a DFN 2*2B-6L Plastic Package.

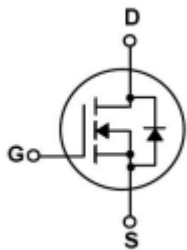
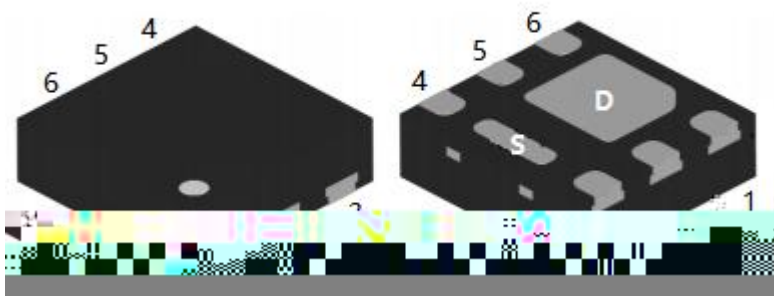
特征 / Features $V_{DS} (V) = 30V$ $I_D = 8 A (V_{GS} = \pm 20V)$

。 HF Product.

用途 / Applications

DC/DC

Suited for low voltage applications such as automotive, DC/DC Converters, and high efficiency switching for power management in portable and battery operated products.

内部等效电路 / Equivalent Circuit**引脚排列 / Pinning**

出脚	定义
Pin1	D
Pin2	D
Pin3	G
Pin4	S
Pin5	D
Pin6	D

放大及印章代码 / h_{FE} Classifications & Marking

See Marking Instructions.



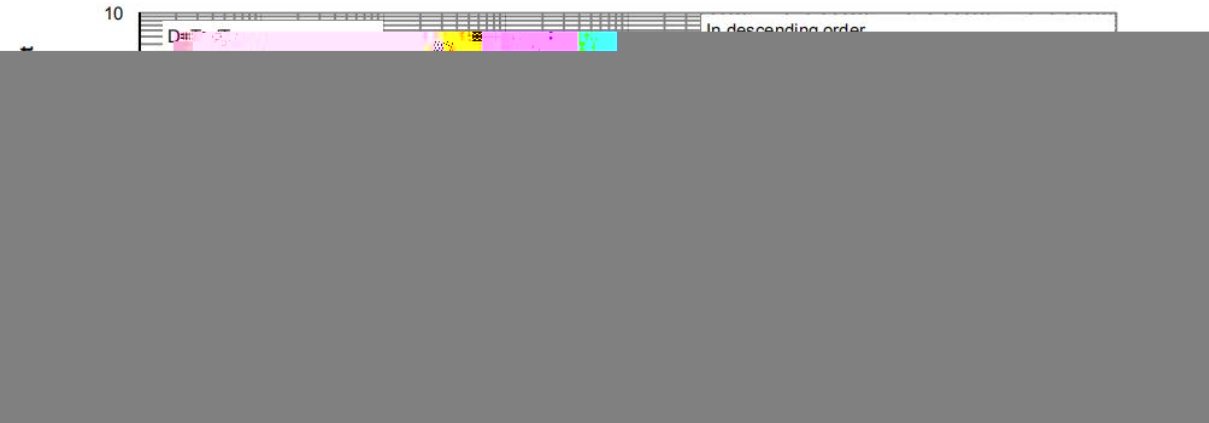
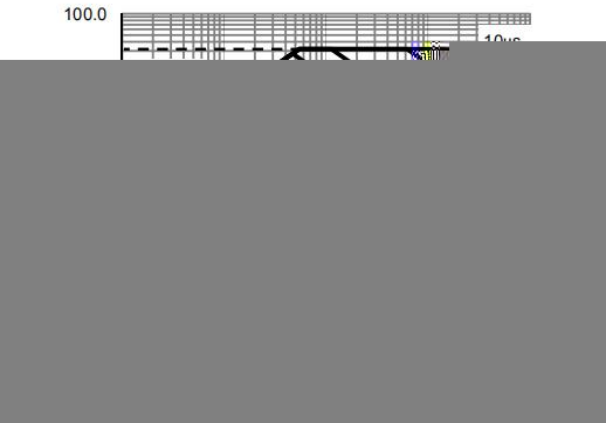
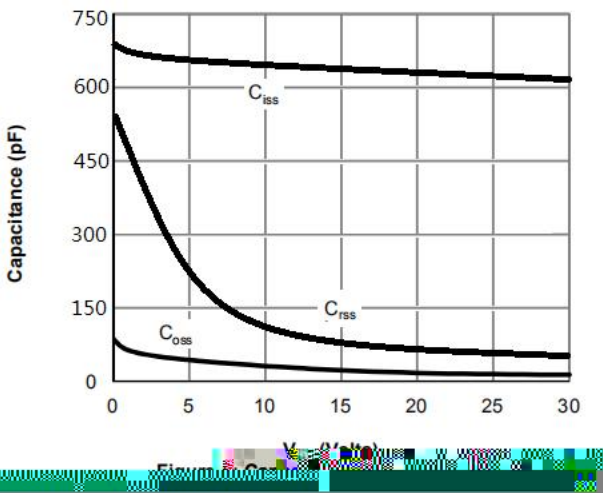
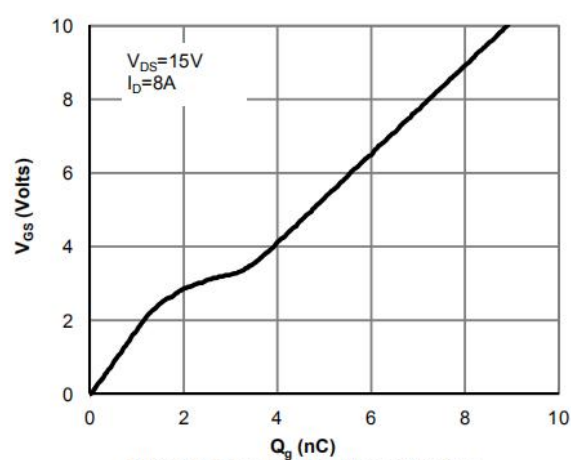
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	30	V
Drain Current	$I_D(T_c=25^{\circ}\text{C})$	8	A
Gate-Source Voltage	V_{GS}	± 20	V
Avalanche Current	I_{AS}	12.9	A



Parameter	Symbol	Test Conditions	Min
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电参数曲线图 / Electrical Characteristic Curve

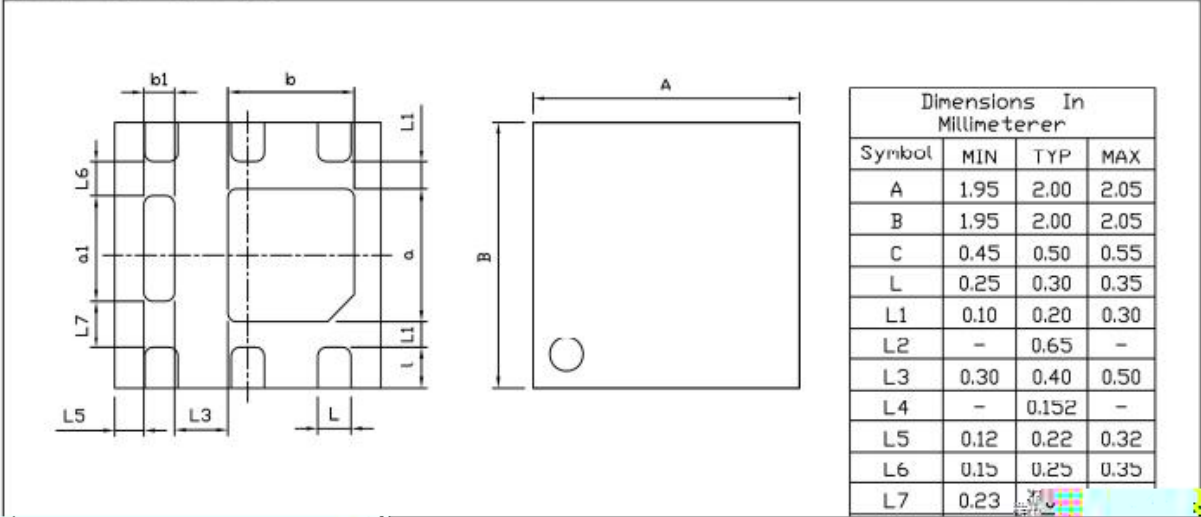


外形尺寸图 / Package Dimensions

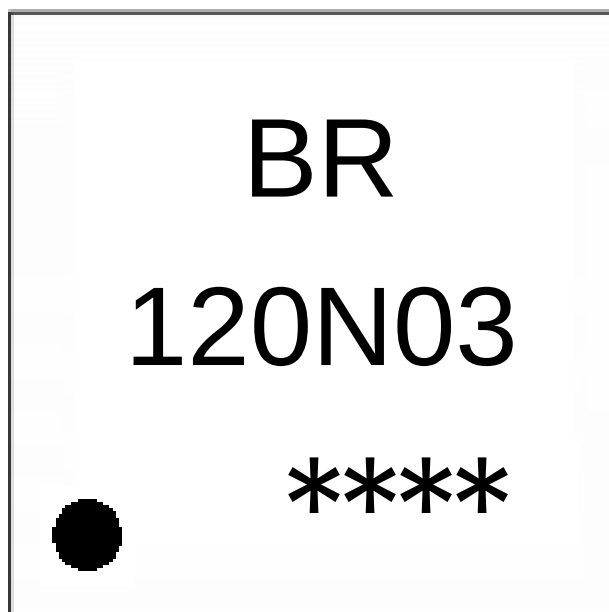
DFN2×2B-6L-0.5 外形尺寸图

DFN2×2B-6L-0.5

Unit:mm



印章说明 / Marking Instructions



BR

120N03

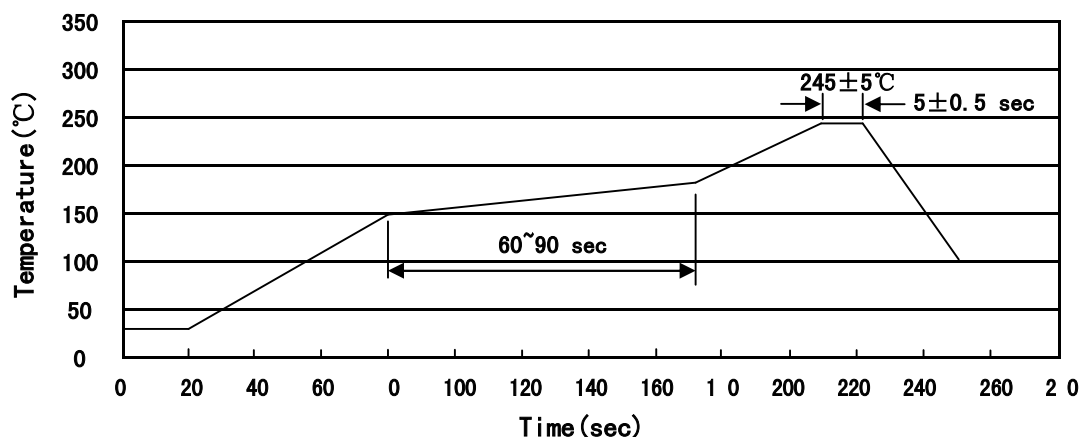
Note:

BR: Company Code.

120N03: Product Type

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

回流焊温度曲线图(无铅) / 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. |

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

260±5°C

10±1 sec.

Temp.:260±5°C

Time:10±1 sec

包装规格 / Packaging SPEC.

/ REEL

Package Type	Units					Dimension (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	Outer Box
DFN 2*2B-6L	4,000	10	40,000	4	160,000	7" ×8	210×205×205	445×230×435

使用说明 / Notices