



/ Revised record

A	2021.01.05	ALL	AOS-AO3404 BRCS3404MC		

/ Descriptions

SOT23-3 N MOS

N- CHANNEL MOSFET in a SOT23-3 Plastic Package.

/ Features

$V_{DS} (V) = 30V$

$I_D = 5.5 A (V_{GS} = 20V)$

$R_{DS(ON)} < 31m\Omega (V_{GS} = 10V)$

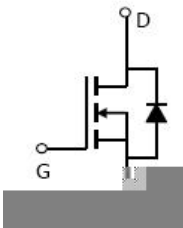
$R_{DS(ON)} < 43m\Omega (V_{GS} = 4.5V)$

无卤产品， HF Product.

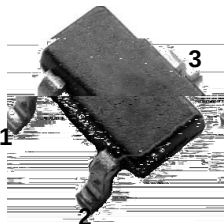
/ Applications

This device is suitable for use as a load switch or in PWM applications.

/ Equivalent Circuit



/ Pinning



PIN1 G

PIN 2 S

PIN 3 D

/ Marking

Marking

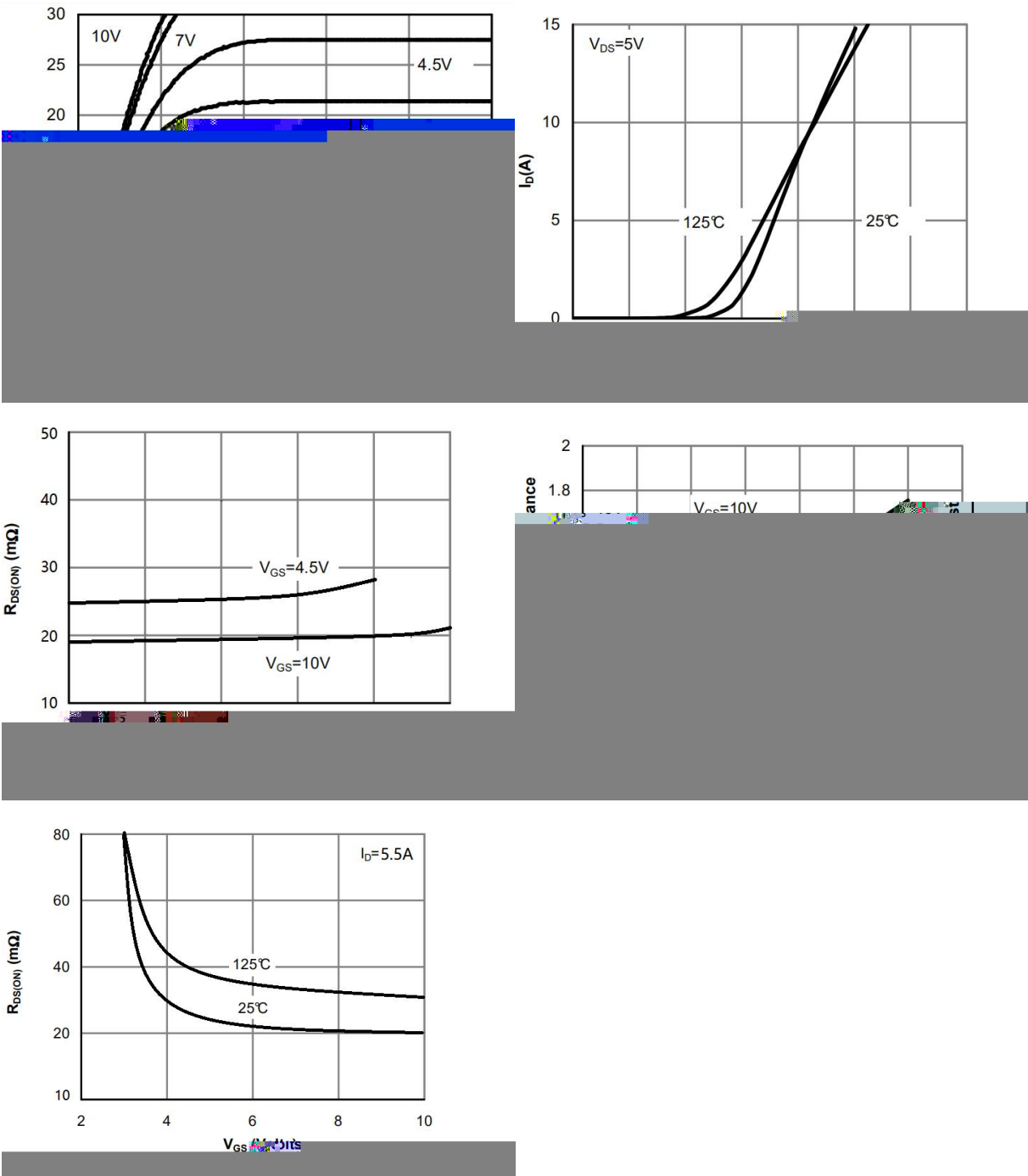
B4H



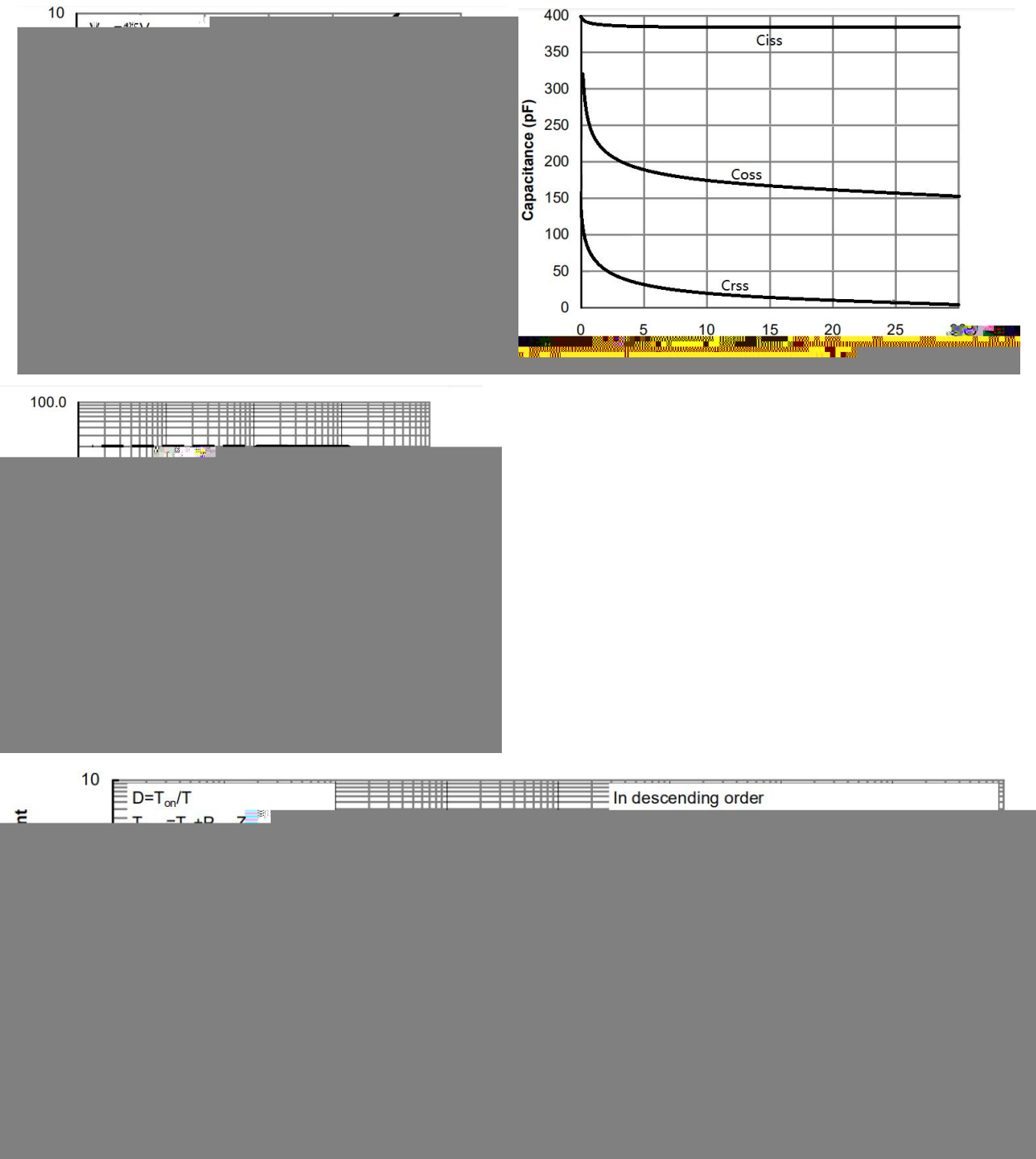
Parameter		Symbol	Rating		
Drain-Source Voltage		V _{DS}	30		
Drain Current – Continuous		I _D	5.5		
Pulsed Drain Current		I _{DM}	19		
Gate-Source Voltage		V _{GS}	±20		
Total Power Dissipation		P _D	1.4		
Operating and Storage Junction Temperature Range		T _J , T _{STG}	-55 to 150		
Maximum Junction-to-Ambient	t ≤ 10s	R _{θJA}	90	°C	
Maximum Junction-to-Ambient	Steady-State		125		
Maximum Junction-to-Lead		R _{θJL}	80		

Parameter	Symbol	Test Conditions	Unit
Drain–Source Breakdown Voltage	BV		

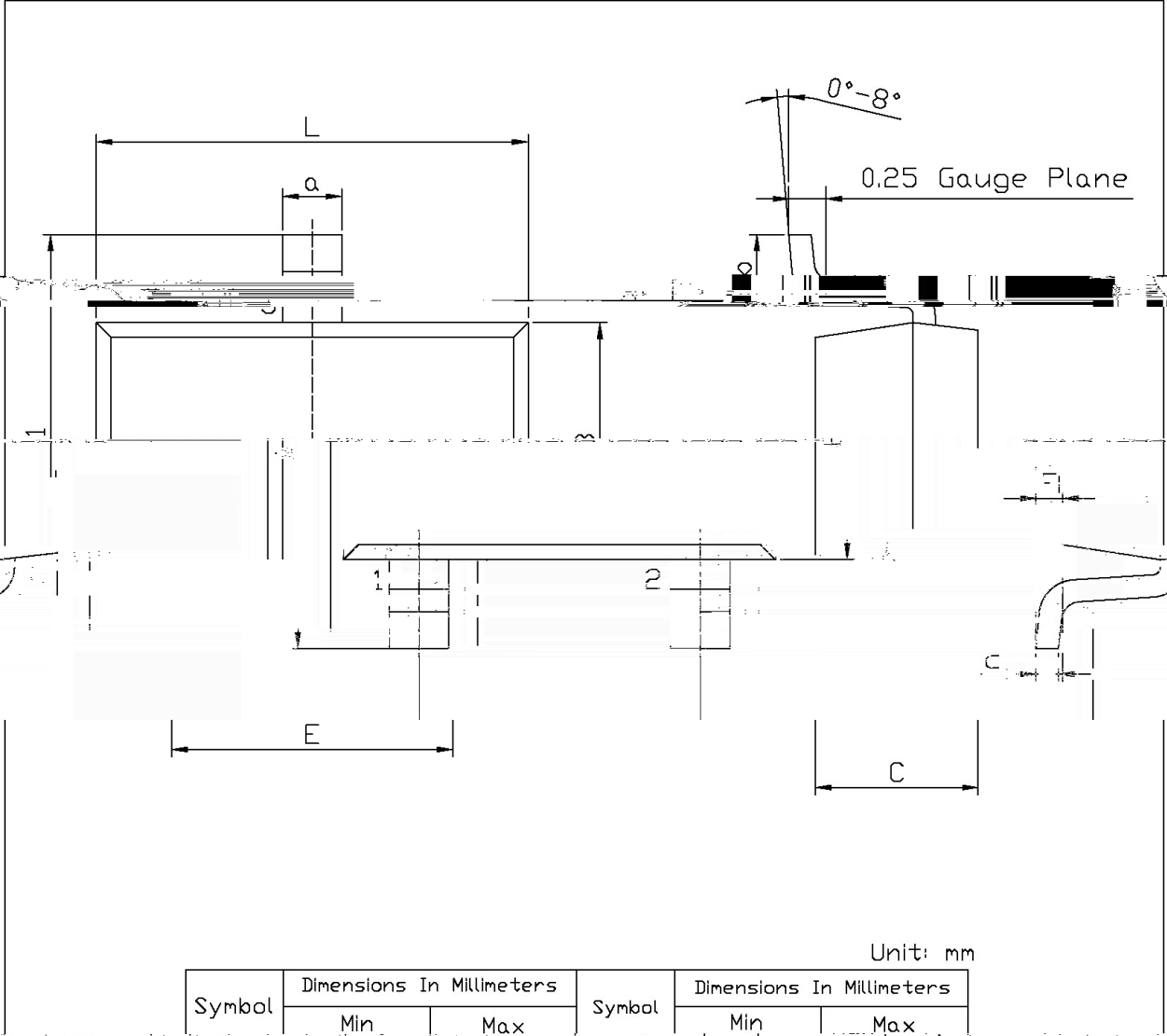
/ Electrical Characteristic Curve



/ Electrical Characteristic Curve

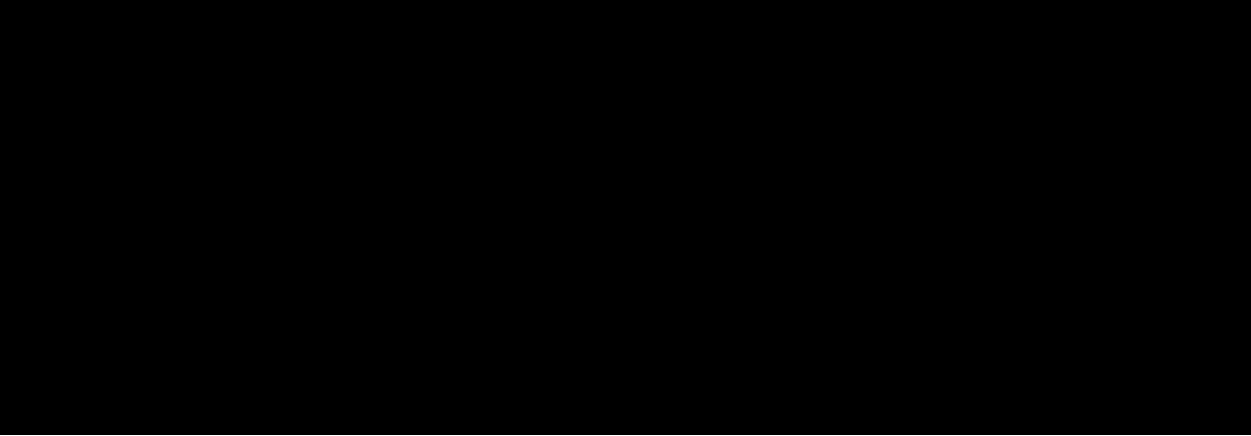


/ Package Dimensions

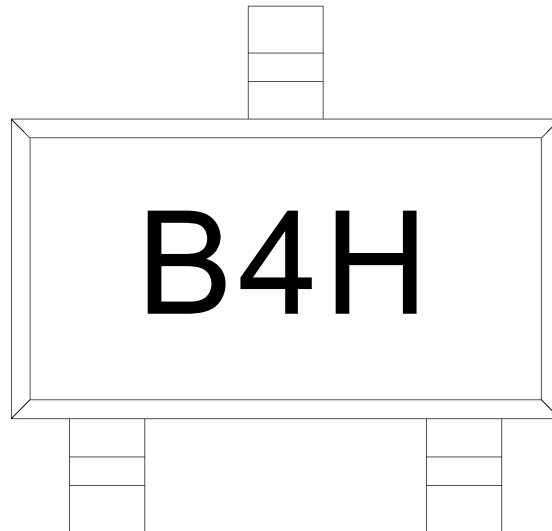


Unit: mm

Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
a	0.35	0.50	L	2.82	3.0
E	0.68	0.88	C	0.25	0.30



/ Marking Instructions



B4

H

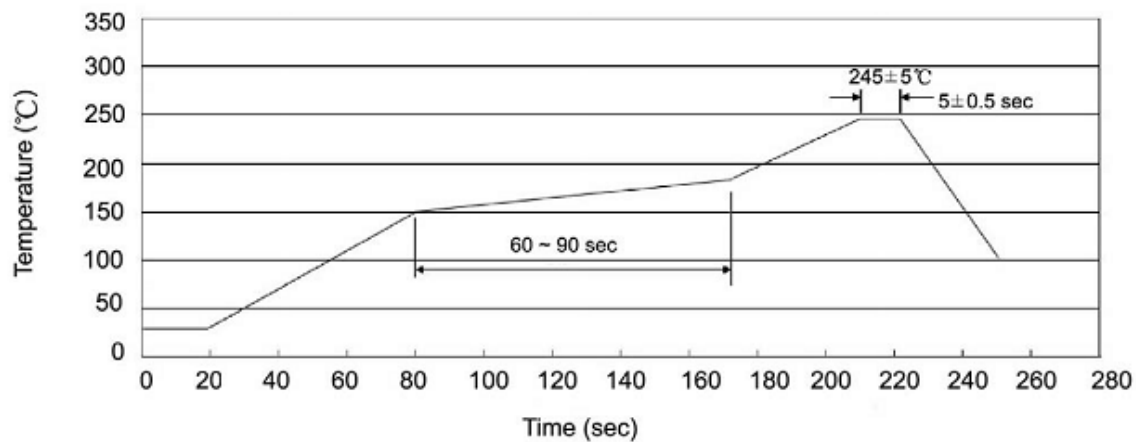
Note:

B4: Product Type Code.

H: Company Code.



() / 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 /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box 盒	Outer Box 箱
SOT-23-3	3,000	10	30,000	4	120,000	7" ×8	210×205×205	445×230×435

/ Notices