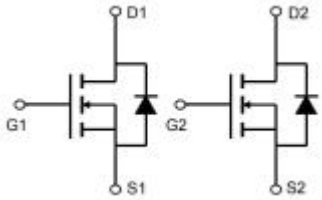
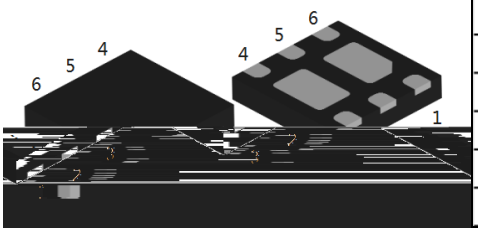
版本	修订日期	有修订的页码	修订涉及的内容	拟制	审核
A	2022.7.5	全部	参考 AOS-AON2812和 AOS-AON2260(SOA,RJA)首次创建	庞隆基	陈逸晞

DFN 2×2C-6L 塑封封装 N+N 沟道 MOS 场效应管。
Double N+N-CHANNEL MOSFET in a DFN 2×2C-6L Plastic Package.

V_{DS} (V) = 30V
I_D = 6.3A (V_{GS} = ±20V)
无卤产品。HF Product.

电池保护开关，移动设备电池充放电，负载开关。
Battery protection switch,Mobile device battery charging and discharging,Load switch.





出脚	定义
PIN 1	S1
PIN 2	G1
PIN 3	D2
PIN 4	S2
PIN 5	G2
PIN 6	D1

见印章说明　See Marking Instructions.

Parameter		Symbol	Rating	Unit
Drain-Source Voltage		V_{DSS}	30	V
Gate-Source Voltage		V_{GSS}	±20	V
Continuous Drain Current		I_D (T_a=25°C)	6.3	A
Pulsed Drain Current		I_{DM}	25	A
Power Dissipation for Single Operation		P_D (T_a=25℃)	2.8	W
Junction and Storage Temperature Range		T_J,T_{STG}	-55 to +150	
Maximum Junction-to-Ambient	t≤10s	$R_{\theta JA}$	44.6	/W
	Steady-State	$R_{\theta JA}$	71.4	

Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	V_{GS}=0V	I_D=250μA	30	35		V
Zero Gate Voltage Drain Current	I_{DSS}	V_{DS}=30V	V_{GS}=0V			1.0	μA
Gate-Body leakage current	I_{GSS}	V_{GS}=±20V	V_{DS}=0V			100	nA
Gate Threshold Voltage	$V_{GS(th)}$	V_{DS}=V_{GS}	I_D=250μA	1.0	1.7	2.5	V
Static Drain-Source On-Resistance	$R_{DS(on)}$	V_{GS}=10V	I_D=9A		20	22	mΩ
		V_{GS}=4.5V	I_D=7A		31	35	mΩ
Diode Forward Voltage	V_{SD}	V_{GS}=0V	I_S=1.0A			1.2	V
Input Capacitance	C_{iss}	V_{DS}=25V f=1.0MHz	V_{GS}=0V		690		pF
Output Capacitance	C_{oss}				200		pF
Reverse Transfer Capacitance	C_{rss}				130		pF

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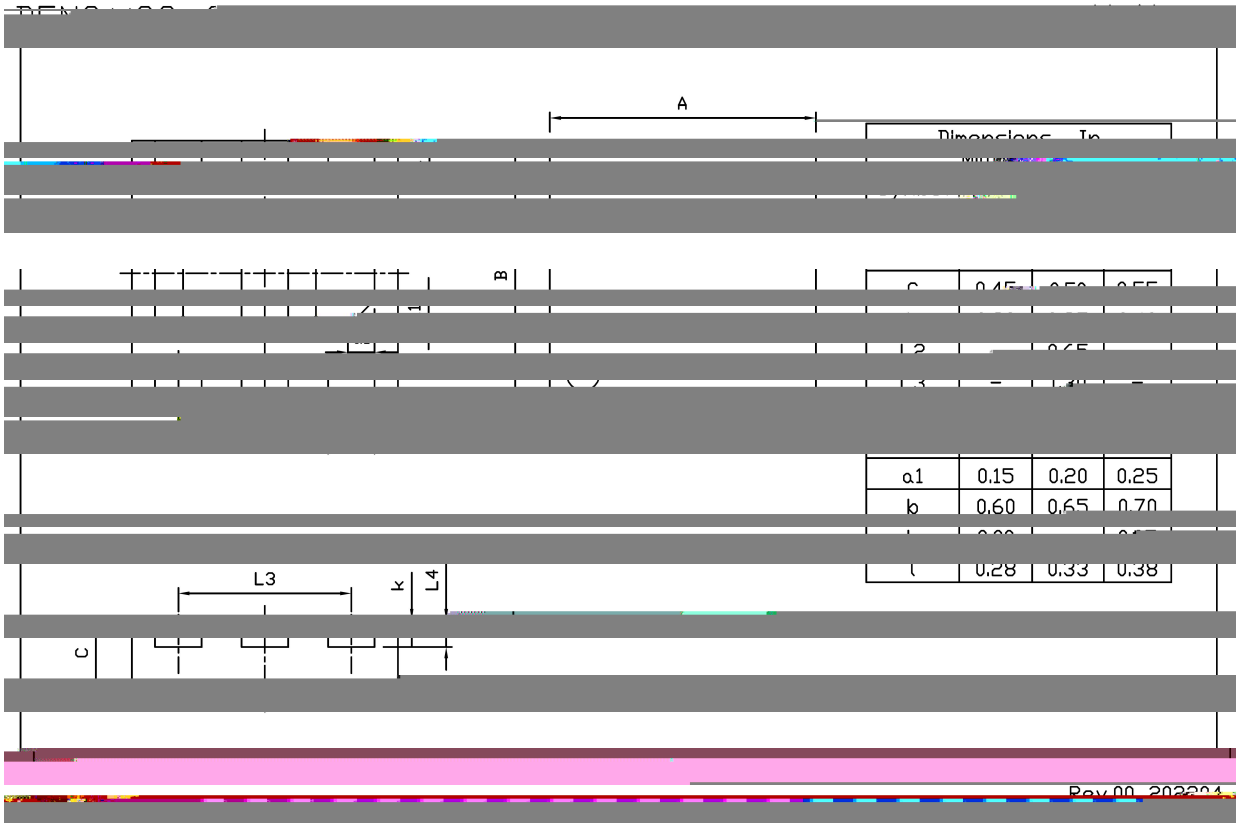
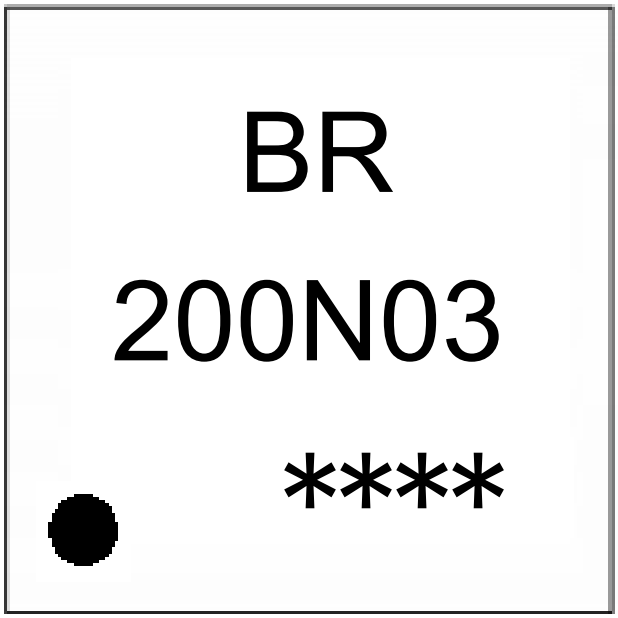

A
B
L3
K
L4
C
a1 0.15 0.20 0.25
b 0.60 0.65 0.70
l 0.28 0.33 0.38

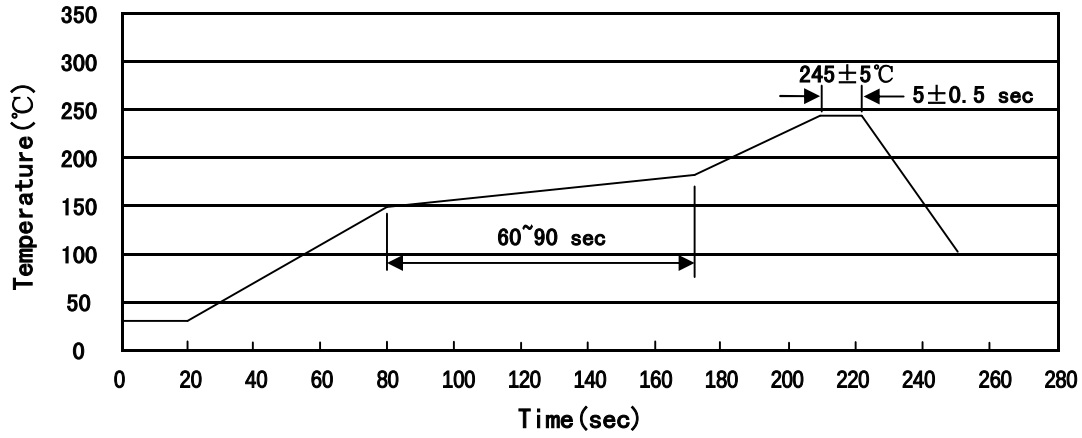


BR
200N03
****

Note:

BR:	Company Code
200N03:	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℃, Time:60~90sec.
2	245±5		5±0.5sec;	2.Peak Temp.:245±5℃, Duration:5±0.5sec.
3		2	10℃/sec.	3. Cooling Speed: 2~10℃/sec.

260±5℃ 10±1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type	Units					Dimension		(unit mm^3)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
DFN 2 × 2C-6L	4,000	10	40,000	4	160,000	7″ ×8	210×205×205	445×230×435