



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

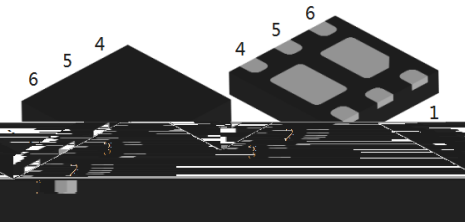
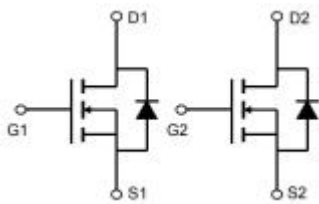


Rev.A Jul.-2022

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.

$V_{DS} (V) = 30V$
 $I_D = 6.3A (V_{GS} = \pm 20V)$
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.



Rev.A Jul.-2022

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

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

Rev.A Jul.-2022

Rev.A Jul.-2022





BR
200N03



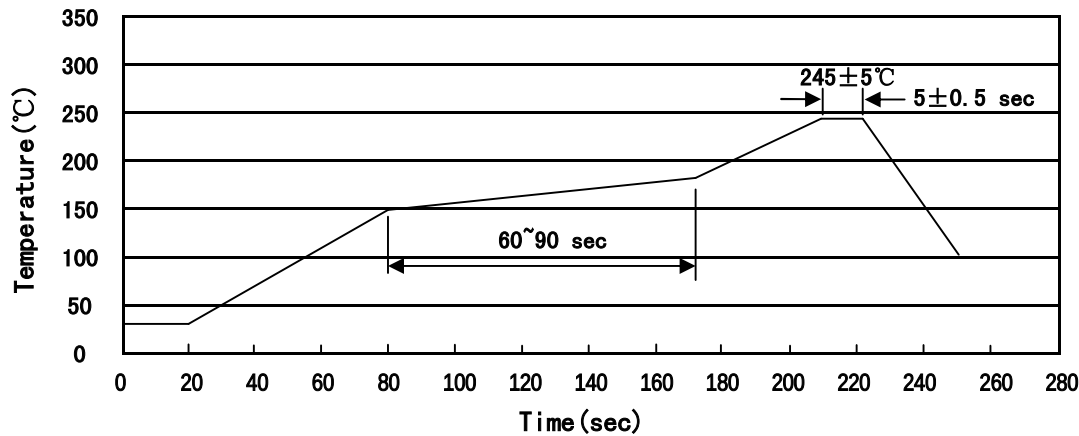
BR
200N03

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°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. |

260±5°C 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