

2 电源用IC

1000mA 稳压器

MM1866系列

概要

本IC是最大输出电流为1000mA 的稳压器IC。其特点是输出电压精度为 $\pm 2\%$ ，输入输出电压差为 0.2V typ. ($I_o = 500\text{mA}$)，属于小型稳定化电源。另外还设有输出降噪端子及输出ON、OFF控制端子，因此适合用于需要削减待机时功耗的固定式设备。

用途

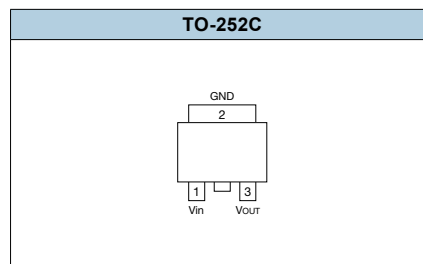
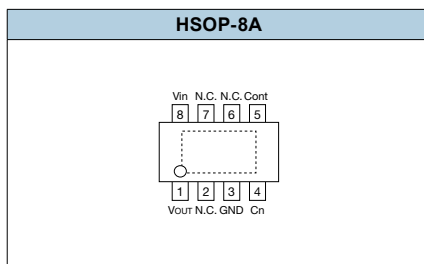
- (1) FPD
- (2) DVD, Blu-ray播放器、录像机
- (3) 游戏机

特点

(在没有特别注明时, $T_{opr} = +25^\circ\text{C}$)

- | | |
|-------------|---|
| (1) 输入电压范围 | 2.0 ~ 10.0V |
| (2) 输出电压范围 | 1.5 ~ 5.0V |
| (3) 输出电压精度 | $\pm 2\%$ |
| (4) 输出电流 | 1000mA |
| (5) 消耗电流 | 2.5mA typ. (无负载时) |
| (6) 输出电容器容量 | 1 μF |
| (7) 输入输出电压差 | 0.2V typ.
($I_o = 500\text{mA}$) |
| (8) 输入变动 | 10mV typ. |
| (9) 负载变动 | 20mV typ.
($I_o = 0 \sim 1000\text{mA}$) |
| (10) 纹波抑制比 | 65dB typ. ($f = 120\text{kHz}$) |

封装



型号的构成

MM 1 8 6 6 A □ □ □ □ E

- 模压钻孔 E
- 存放方向 B (HSOP-8A的情况下)
- 存放方向 R (TO-252C的情况下)
- 封装代码
 - HSOP-8A : H
 - TO-252C : T
- 输出电压
 - (例) 3.0V : 30
 - 3.5V : 35

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选择指南

输出电压	精度	机种名称		输入输出电压差 (Typ.) I _o =500mA	输出电流	无负载时 消耗电流 (Typ.)
		HSOP-8A封装 (2,000个/卷)	TO-252C封装 (3,000个/卷)			
1.5V	±2%	MM1866A15HBE	MM1866A15TRE	0.2V	1000mA	2.5mA
1.6V	±2%	MM1866A16HBE	MM1866A16TRE	0.2V	1000mA	2.5mA
1.7V	±2%	MM1866A17HBE	MM1866A17TRE	0.2V	1000mA	2.5mA
1.8V	±2%	MM1866A18HBE	MM1866A18TRE	0.2V	1000mA	2.5mA
1.9V	±2%	MM1866A19HBE	MM1866A19TRE	0.2V	1000mA	2.5mA
2.0V	±2%	MM1866A20HBE	MM1866A20TRE	0.2V	1000mA	2.5mA
2.1V	±2%	MM1866A21HBE	MM1866A21TRE	0.2V	1000mA	2.5mA
2.2V	±2%	MM1866A22HBE	MM1866A22TRE	0.2V	1000mA	2.5mA
2.3V	±2%	MM1866A23HBE	MM1866A23TRE	0.2V	1000mA	2.5mA
2.4V	±2%	MM1866A24HBE	MM1866A24TRE	0.2V	1000mA	2.5mA
2.5V	±2%	MM1866A25HBE	MM1866A25TRE	0.2V	1000mA	2.5mA
2.6V	±2%	MM1866A26HBE	MM1866A26TRE	0.2V	1000mA	2.5mA
2.7V	±2%	MM1866A27HBE	MM1866A27TRE	0.2V	1000mA	2.5mA
2.8V	±2%	MM1866A28HBE	MM1866A28TRE	0.2V	1000mA	2.5mA
2.9V	±2%	MM1866A29HBE	MM1866A29TRE	0.2V	1000mA	2.5mA
3.0V	±2%	MM1866A30HBE	MM1866A30TRE	0.2V	1000mA	2.5mA
3.1V	±2%	MM1866A31HBE	MM1866A31TRE	0.2V	1000mA	2.5mA
3.2V	±2%	MM1866A32HBE	MM1866A32TRE	0.2V	1000mA	2.5mA
3.3V	±2%	MM1866A33HBE	MM1866A33TRE	0.2V	1000mA	2.5mA
3.4V	±2%	MM1866A34HBE	MM1866A34TRE	0.2V	1000mA	2.5mA
3.5V	±2%	MM1866A35HBE	MM1866A35TRE	0.2V	1000mA	2.5mA
3.6V	±2%	MM1866A36HBE	MM1866A36TRE	0.2V	1000mA	2.5mA
3.7V	±2%	MM1866A37HBE	MM1866A37TRE	0.2V	1000mA	2.5mA
3.8V	±2%	MM1866A38HBE	MM1866A38TRE	0.2V	1000mA	2.5mA
3.9V	±2%	MM1866A39HBE	MM1866A39TRE	0.2V	1000mA	2.5mA
4.0V	±2%	MM1866A40HBE	MM1866A40TRE	0.2V	1000mA	2.5mA
4.1V	±2%	MM1866A41HBE	MM1866A41TRE	0.2V	1000mA	2.5mA
4.2V	±2%	MM1866A42HBE	MM1866A42TRE	0.2V	1000mA	2.5mA
4.3V	±2%	MM1866A43HBE	MM1866A43TRE	0.2V	1000mA	2.5mA
4.4V	±2%	MM1866A44HBE	MM1866A44TRE	0.2V	1000mA	2.5mA
4.5V	±2%	MM1866A45HBE	MM1866A45TRE	0.2V	1000mA	2.5mA
4.6V	±2%	MM1866A46HBE	MM1866A46TRE	0.2V	1000mA	2.5mA
4.7V	±2%	MM1866A47HBE	MM1866A47TRE	0.2V	1000mA	2.5mA
4.8V	±2%	MM1866A48HBE	MM1866A48TRE	0.2V	1000mA	2.5mA
4.9V	±2%	MM1866A49HBE	MM1866A49TRE	0.2V	1000mA	2.5mA
5.0V	±2%	MM1866A50HBE	MM1866A50TRE	0.2V	1000mA	2.5mA