# 1000mA regulator IC

# MM1877 Series

#### **Outline**

This IC is 1000mA maximum output current regulatorIC.

Output voltage accuracy ± 2%, dropout voltage 0.25V typ. (lo =500mA) with the characteristics of a small regulator.

The output noise reduction pin and the output ON / OFF control pin has.

This regulator is ideal for stationary equipment to reduce standby power consumption.

#### **Applications**

- (1) Flat TVs
- (2) DVD/Blu-ray players
- (3) DVD/Blu-ray recorders
- (4) Portable games

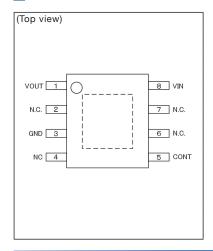
#### **Features**

(Unless otherwise specified, Ta=+25°C)

- (1) Input voltage range ......Vo(Typ.)+0.7~14
- (2) Output voltage range ......1.5~5.0V
- (3) Output voltage accuracy......Vout±2%
- (4) Maximum output current......1000mA
- (5) Current Consumption.....2mA typ. (No-Load Input Current)
- (6) Output capacitor .....1µF
- (7) Dropout voltage......0.25V typ.
  - (lo=500mA)
- (8) Line regulation......0.05%/V typ.
- (9) Load regulation ......20mV typ.
  - (lo=1mA~1000mA)
- (10) Ripple rejection .......70dB typ. (f=1kHz)

### Pin assignment

#### **HSOP-8A**



Pin no.	HSOP-8A		
1	VOUT		
2	N.C.		
3	GND		
4	N.C.		
5	CONT		
6	N.C.		
7	N.C.		
8	VIN		

#### Model name structure



Embossed taping Е Housing R Package code HSOP-8A Н Output voltage 1.5V~5.0V (0.1V step)1 15~50

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## Selection guide

Output Voltage		Parts No.	Dropout Voltage	Output Current	No-Load Input Current (Typ.)
	Accuracy	HSOP-8A Package (2,000pcs/Reel)	(Typ.) Io=500mA		
1.5V	±2%	MM1877A15HBE	0.25V	1000mA	2mA
1.6V	±2%	MM1877A16HBE	0.25V	1000mA	2mA
1.7V	±2%	MM1877A17HBE	0.25V	1000mA	2mA
1.8V	±2%	MM1877A18HBE	0.25V	1000mA	2mA
1.9V	±2%	MM1877A19HBE	0.25V	1000mA	2mA
2.0V	±2%	MM1877A20HBE	0.25V	1000mA	2mA
2.1V	±2%	MM1877A21HBE	0.25V	1000mA	2mA
2.2V	±2%	MM1877A22HBE	0.25V	1000mA	2mA
2.3V	±2%	MM1877A23HBE	0.25V	1000mA	2mA
2.4V	±2%	MM1877A24HBE	0.25V	1000mA	2mA
2.5V	±2%	MM1877A25HBE	0.25V	1000mA	2mA
2.6V	±2%	MM1877A26HBE	0.25V	1000mA	2mA
2.7V	±2%	MM1877A27HBE	0.25V	1000mA	2mA
2.8V	±2%	MM1877A28HBE	0.25V	1000mA	2mA
2.9V	±2%	MM1877A29HBE	0.25V	1000mA	2mA
3.0V	±2%	MM1877A30HBE	0.25V	1000mA	2mA
3.1V	±2%	MM1877A31HBE	0.25V	1000mA	2mA
3.2V	±2%	MM1877A32HBE	0.25V	1000mA	2mA
3.3V	±2%	MM1877A33HBE	0.25V	1000mA	2mA
3.4V	±2%	MM1877A34HBE	0.25V	1000mA	2mA
3.5V	±2%	MM1877A35HBE	0.25V	1000mA	2mA
3.6V	±2%	MM1877A36HBE	0.25V	1000mA	2mA
3.7V	±2%	MM1877A37HBE	0.25V	1000mA	2mA
3.8V	±2%	MM1877A38HBE	0.25V	1000mA	2mA
3.9V	±2%	MM1877A39HBE	0.25V	1000mA	2mA
4.0V	±2%	MM1877A40HBE	0.25V	1000mA	2mA
4.1V	±2%	MM1877A41HBE	0.25V	1000mA	2mA
4.2V	±2%	MM1877A42HBE	0.25V	1000mA	2mA
4.3V	±2%	MM1877A43HBE	0.25V	1000mA	2mA
4.4V	±2%	MM1877A44HBE	0.25V	1000mA	2mA
4.5V	±2%	MM1877A45HBE	0.25V	1000mA	2mA
4.6V	±2%	MM1877A46HBE	0.25V	1000mA	2mA
4.7V	±2%	MM1877A47HBE	0.25V	1000mA	2mA
4.8V	±2%	MM1877A48HBE	0.25V	1000mA	2mA
4.9V	±2%	MM1877A49HBE	0.25V	1000mA	2mA
5.0V	±2%	MM1877A50HBE	0.25V	1000mA	2mA

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