

# 1.0 WATT MINATURE SMD DC/DC CONVERTERS

## FEATURES

- ① 1 Watt Isolated Outputs
- ② Miniature SMD Package
- ③ 1000Vdc Isolation

## GENERAL SPECIFICATIONS

- Efficiency (unregulated) ..... 70%
- Switching Frequency ..... 20KHz min.
- Isolation Voltage ..... 1000Vdc min.
- Operating Temperature ..... 0 to +70°C
- Storage Temperature ..... -40 to +85°C

## INPUT SPECIFICATIONS

- Voltage ..... 5 or 12Vdc
- Voltage Range ..... ±5%
- Input Filter ..... Cap

## OUTPUT SPECIFICATIONS

- Voltage ..... Per Table
- Voltage Accuracy ..... ±5%
- Ripple & Noise 20MHz BW ..... 100mV p-p
- Line Regulation (unregulated)..... ±1.2%
- Load Regulation (unregulated)..... ±10%

### ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE 0°C TO 70°C

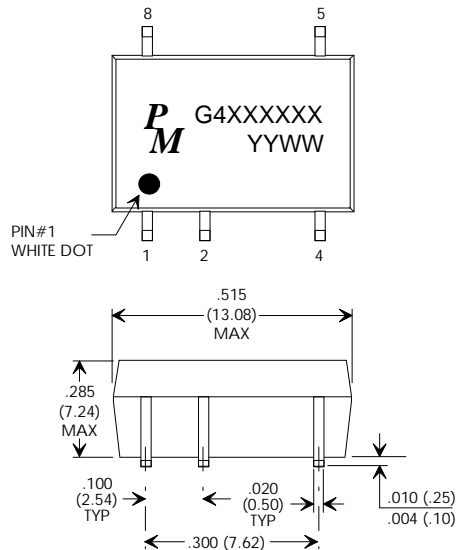
PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA Max.)	TYPICAL EFFICIENCY (% Typ.)
G4050330	5	3.3	300	70
G4050520	5	5	200	70
G4050911	5	9	110	75
G4050508	5	12	85	75
G4051520	5	15	66	75

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA Max.)	TYPICAL EFFICIENCY (% Typ.)
G4120520	12	5	200	70
G4120911	12	9	110	75
G4121208	12	12	85	75
G4121520	12	15	66	75

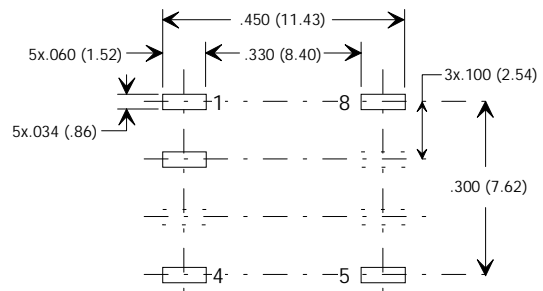
## PACKAGE

## PCB LAYOUT

### PHYSICAL DIMENSIONS .... DIMENSIONS IN mm (inches)



### RECOMMENDED P.C.B. LAYOUT Dimensions in inches (mm)



PIN NUMBER	FUNCTION
1	-INPUT
2	+INPUT
3	OMITTED
4	-OUTPUT
5	+OUTPUT
6	OMITTED
7	OMITTED
8	N.C.

Specifications subject to change without notice.

g4xxxxx01/02