



1.0 WATT MINATURE SMD DC/DC CONVERTERS

FEATURES

- ① 1 Watt Isolated Outputs
- ② Minature 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

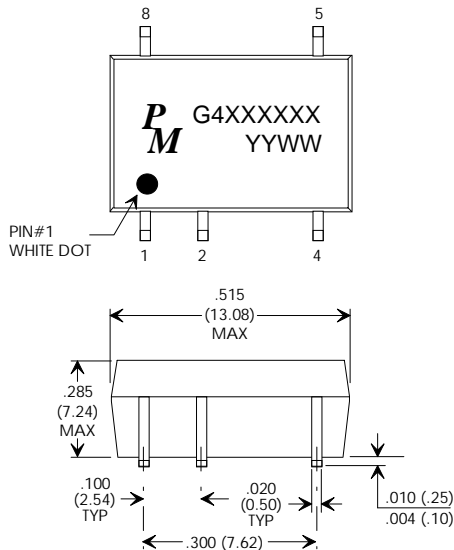
PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA Max.)	TYPICAL EFFICIENCY (% Typ.)
G4050330	5	3.3	300	70
G4050520	5	5	200	70
G4050911	5	9	110	75
G4050508	5	12	85	75
G4051520	5	15	66	75

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

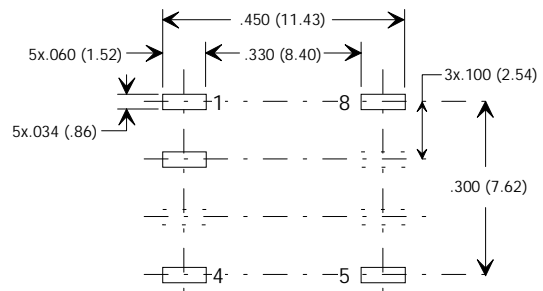
PACKAGE

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