



# G SERIES

## 6000VDC SINGLE AND DUAL OUTPUT PDC 1 WATT DC-DC CONVERTER

### FEATURES

- 7 PIN SIP PACKAGE.
- 6000VDC ISOLATION.
- UNREGULATED OUTPUT TYPES.
- UL 94V-0 PACKAGE MATERIAL.

### GENERAL SPECIFICATIONS

- OUTPUT RIPPLE(20MHz Band limited) : 150mVp-p MAX
- ISOLATION RESISTANCE : 1000MΩ MIN @500VDC
- SWITCHING FREQUENCY : 100KHz TYP.
- OPERATING TEMPERATURE : 0 °C TO 70°C
- EFFICIENCY : 70% TYP
- ISOLATION VOLTAGE : 6000 VDC

### ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE : ±5%
- OUTPUT VOLTAGE TOLERANCE : ±5%
- LINE REGULATION(10% TO 100% F.L.) : 1.2%/1% OF Vin
- LOAD REGULATION(10% TO 100% F.L.) : 15% MAX  
5V OUTPUT TYPES  
9V,12V AND 15V OUTPUT TYPES : 10% MAX

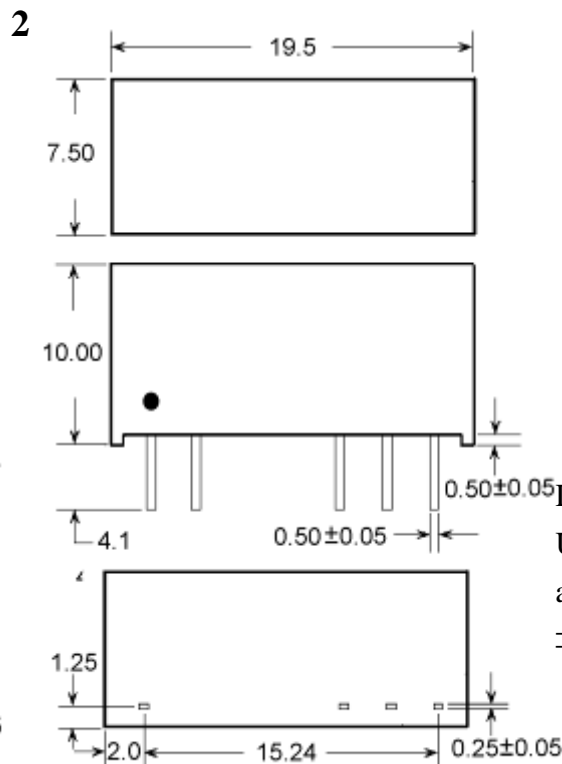
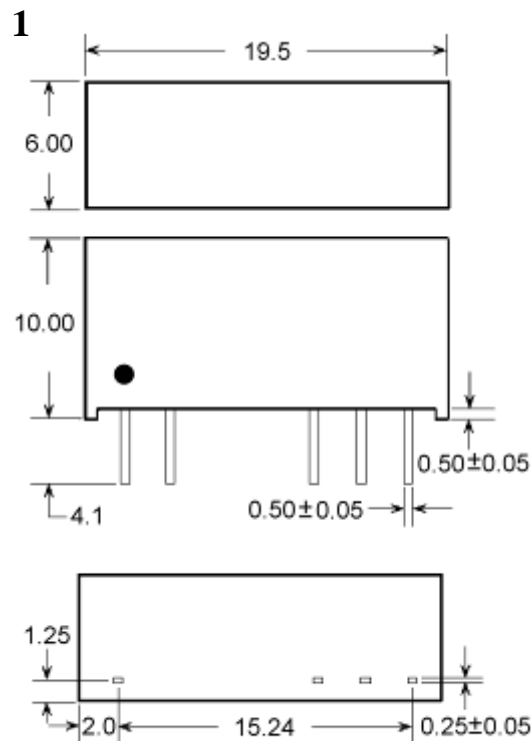
#### 5V,12V AND 24V INPUT TYPES

PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE
GXX05S-1W	±5	±100	70	1
GXX09S-1W	±9	±56	75	1
GXX12S-1W	±12	±42	75	1
GXX15S-1W	±15	±34	75	1

#### 48V INPUT TYPES

PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	EFFICIENCY (% TYP.)	PACKAGE STYLE
G4805S-1W	±5	±100	70	2
G4809S-1W	±9	±56	75	2
G4812S-1W	±12	±42	75	2
G4815S-1W	±15	±34	75	2

### MARKINGS AND DIMENSIONS



### PIN CONNECTION

PIN	SINGLE
1	+INPUT
2	-INPUT
5	-OUTPUT
6	COM
7	+OUTPUT

Dimensions: inches/mm  
Unless otherwise specified,  
all tolerances are  
±.005/±0.13