

G Series

1.5 WATTS SINGLE OUTPUT DC/DC INDUSTRIAL

Features

- Low ripple
- Miniature case size
- Low EMI/RFI sinewave oscillator
- Proportional input/output
- User-selectable output polarity
- Low cost/high performance
- MTBF >2.29 million hrs per Bellcore TR-332



Specifications

INPUT

Voltage	0 to 12VDC.
Current	See table.
Typical turn-on voltage	0.7V.

OUTPUT

Power	1.5W.
Voltage	See table.
Current	See table.
Ripple	See table.
Regulation	10% (no load to full load).
Isolation	3,500V.

ENVIRONMENTAL

Operating temperature	-10°C to +60°C.
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GENERAL

Dimensions	38.1 x 38.1 x 16 mm.
Weight	43g.
Packaging	Fully encapsulated.
Case material	Glass-filled Epoxy.

OPTIONS

Output center tap.	Consult your local Powerbox office.
External mounting box.	
Low power consumption	

PIN# FUNCTION

PIN#	FUNCTION
1	(+)Input
2	(-)Input
3	(+)Output
4	(-)Output

Selection Table

MODEL NUMBER	INPUT CURRENT	INPUT CURRENT	OUTPUT VOLTAGE	OUTPUT2 CURRENT	RIPPLE
G01	<100mA	<250mA	0 to ±100V	0 to 15mA	<1.75%
G02	<100mA	<250mA	0 to ±200V	0 to 7.5mA	<0.75%
G03	<100mA	<250mA	0 to ±300V	0 to 5mA	<0.75%
G05	<100mA	<250mA	0 to ±500V	0 to 3mA	<0.02%
G06	<100mA	<250mA	0 to ±600V	0 to 2.5mA	<0.1%
G10	<100mA	<250mA	0 to ±1000V	0 to 1.5mA	<0.1%
G12	<150mA	<275mA	0 to ±1200V	0 to 1.25mA	<0.1%
G15	<125mA	<275mA	0 to ±1500V	0 to 1mA	<0.5%
G20	<165mA	<275mA	0 to ±2000V	0 to 0.75mA	<0.5%
G25	<125mA	<275mA	0 to ±2500V	0 to 0.6mA	<1.0%
G30	<125mA	<300mA	0 to ±3000V	0 to 0.5mA	<1.0%
G401	<125mA	<300mA	0 to ±4000V	0 to 0.37mA	<1.0%
G501	<125mA	<300mA	0 to ±5000V	0 to 0.3mA	<2.0%
G601	<125mA	<300mA	0 to ±6000V	0 to 0.25mA	<2.0%
Photomultiplier model					
GPMT	<30mA	<75mA	0 to ±1250V	0 to 350uA	<0.5%

1. Models G40, G50 & G60 do not have internal bleeder resistors on the output. Provisions must be made externally to discharge the output capacitors if this feature is desired.

Technical Illustration

