

brandenburg 567 series

PC Mounting Converter Modules
Output Voltages 50V to 2kV
1.5 Watts Power Rating



Features

- Unregulated convertor – output voltage tracks input over 2V to 12V input range
- Miniature size for printed circuit mounting
- Low cost with high performance
- Low output ripple and noise
- 3500V isolation primary to secondary
- Either terminal of output may be grounded
- Industry standard pin layout
- Full encapsulation for environmental protection
- Exceptional reliability

Description

The Brandenburg series 567 is a range of miniature power supply modules, designed to operate from a dc supply of 2 to 12V. Their low ripple characteristics make them suitable for Photomultiplier Tube and similar applications. Further reduction in ripple may be achieved by adding an external filter capacitor. An input filter circuit guards against feedback of ripple into the supply. High efficiency, high frequency power conversion is used, the high voltage transformer being wound on a ferrite pot core. This minimises external magnetic fields and makes the modules suitable for incorporating into densely packed electronic assemblies. The output voltage varies in proportion to the input voltage over the input range of 2 to 12V. All models in the range are capable of delivering 1.5 Watts of output power at their full output voltage settings.

Full encapsulation is used to give complete protection against humidity and a wide operating temperature range. Two alternative pin layouts are offered, conforming to industry standards.

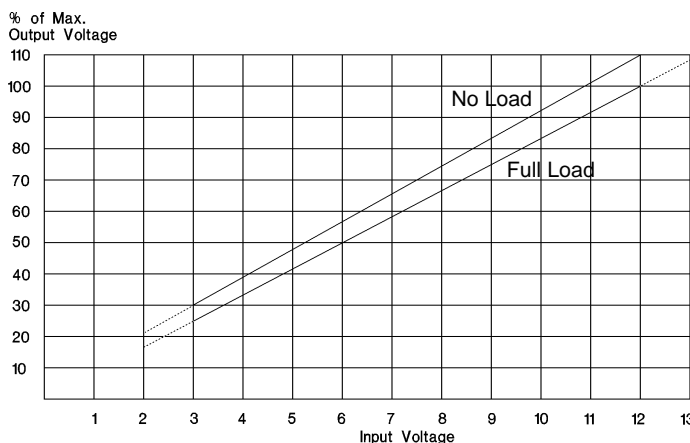
Ordering Information

Input Voltage Range	Output Voltage Range	Output Current (at max. voltage)	Ordering code for pinout "A"	Ordering code for pinout "B"
2 – 12V dc (all models)	50 – 300V	5mA	567-401	567-407
	83 – 500V	3mA	567-402	567-408
	167 – 1000V	1.5mA	567-403	567-409
	200 – 1200V	1.25mA	567-404	567-410
	250 – 1500V	1.0mA	567-405	567-411
	333 – 2000V	0.75mA	567-406	567-412



Electrical Specification

Input voltage range +2V to +12V dc
 No load i/p current 100mA typ
 Full load i/p current 240mA typ
 Output voltage range Output tracks input - see graph and Ordering Information
 Output current see Ordering Information
 Output ripple 0.025% pk-pk.
 Output grounding Floating output - either side may be grounded
 Input/output isolation 3500V



Environmental Specification

Operating temperature range -10 to +60 deg.C
 Storage temperature range -40 to +85 deg.C
 Fully encapsulated for protection against humidity.

Mechanical Specification

Dimensions 63.5 x 38.1 x 21.6mm (plus 5.1mm for pins)
 (2.5" x 1.5" x 0.85" plus 0.2" for pins)
 Weight 87g (3 oz) approx.
 Connections and mounting (see diagram)
 "A" version Four pins for connection. Mounting by pins and/or through holes.
 "B" version Four pins for connection and mounting.

