



- **Miniature Size, High Power**
- **Low Ripple ($\leq 0.5\%p-p$)**
- **Input/Output proportion**
- **Input/Output Isolation (Max to 500V)**
- **OEM customization available**



INTRODUCTION

Wisman's BP series is a small PCB module with an input and output isolated high voltage power supply module, which can be suspended on another power supply and can output positive and negative polarity simultaneously. BP series has specification of high reliability, high power and low ripple. The output high voltage is proportional to the input voltage, users can change BP series' output polarity via change the connection.

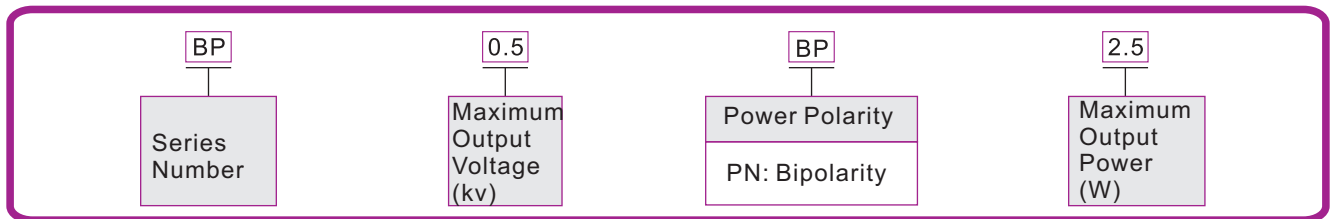
TYPICAL APPLICATION

PMT, APD, PD, Photomultiplier, Ionization chamber, Proportional counter, Geiger-Müller (GM) counter, Electrophoresis, Lens, Mass spectrometer, Detector, Scintillator, Electron beam, Ion beam, Electrostatic printing, High voltage bias, Medical chemical industry, Scientific experiment, Industrial application

BP SELECTION TABLE

kV	MA	P(W)	MODEL	kV	MA	P(W)	MODEL	kV	MA	P(W)	MODEL
0.1	25	2.5	BP0.1PN2.5	0.3	8.3	2.5	BP0.3PN2.5	0.5	5.0	2.5	BP0.5PN2.5
0.2	12.5	2.5	BP0.2PN2.5	0.4	6.25	2.5	BP0.4PN2.5				

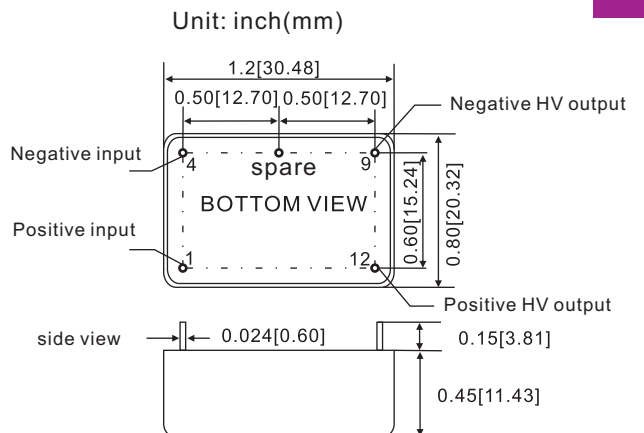
BP SELECTION EXAMPLE



BP SPECIFICATION

PARAMETER	SPECIFICATION
Input	+2Vdc~+24Vdc, the max current is 0.18A
Output	0~0.5kv(Optional), 0~2.5W(Optional)
Ripple	Ripple $\leq 0.5\%p-p$
Temperature coefficient	$< 25ppm/^{\circ}C$
Load regulation	$\leq 5\%$ (load changes from 20%~100%)
Isolation voltage	$\pm 500Vdc$ (Input/Output)
Protection	Output short circuit protection
Temperature	Operation: $-10^{\circ}C \sim +50^{\circ}C$; Storage: $-20^{\circ}C \sim +60^{\circ}C$
Weight	15g

DIMENSION



BA OUTPUT/INPUT PROPORTION

