



- OUTPUT VOLTAGE 100V ~ 2000V
- OUTPUT POWER 0.25W
- OVER CURRENT, SHORT CIRCUIT PROTECTION
- 20Vdc~36Vdc INPUT
- COMPACT AND LIGHT WEIGHT
- TEMPERATURE COEFFICIENT 25PPM/°C
- LOW NOISE ,LOW RIPPLE
- HIGH STABILITY: 10PPM/HR

INTRODUCTION

Wisman's MMB series of high voltage 0.25W micro-modules that provide output voltages ranging from 100V to 2kV. MMB modules are compact six-sided shielded modules with ultra-low noise, high stability and ultra-low temperature coefficient. All models are provided with external potentiometer or external reference voltage programming, over load protection

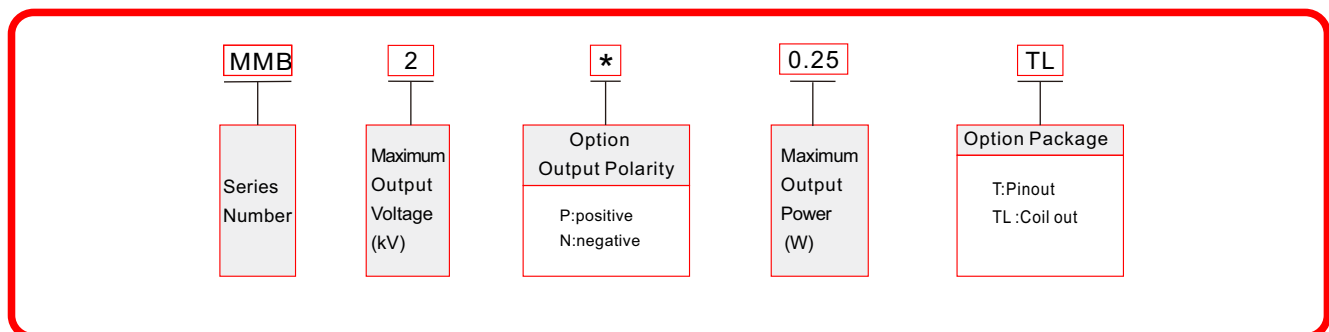
TYPICAL APPLICATIONS

Mass spectrometry, photomultiplier tubes (PMT), solid state detectors, Piezo crystal devices, ultrasonic transducers, microchannel plates (MCP), spectroscopy, scintillation counters, electron multiplier detectors, nuclear Instruments, electrophoresis, semiconductor testing, DNA sequencing, radiation counter, electron and ion beams, electrostatic chuck, high voltage, bias hipot testing, precision lenses, image intensifiers, semiconductor testing, chemical applications, laboratory applications, industrial application supplies.

MMB SELECTION TABLE

kV	mA	P(W)	MODEL	KV	MA	P(W)	MODEL
0.1	2.5	0.25	MMB0.1*0.25	1	0.25	0.25	MMB1*0.25
0.2	1.25	0.25	MMB0.2*0.25	1.5	0.17	0.25	MMB1.5*0.25
0.5	0.5	0.25	MMB0.5*0.25	2	0.125	0.25	MMB2*0.25

MMB SELECTION EXAMPLE





SPECIFICATIONS

PARAMETER	DESCRIBE
Input Voltage	+20Vdc~36Vdc, Maximum input current 100mA, Other voltage optional.
Output	0.1kV, 0.2kV, 0.5kV, 1kV, 1.5kV, 2kV available. 0~0.25W optional.
Stability	0.01%/hr after a 30 minute warm-up period.
Temperature Coefficient	<25ppm/°C.
Ripple	<100mV.
Voltage Programming	By external 20kΩ potntiometer or voltage control(Vp-in) 0~ +2.5Vdc.
Voltage Monitor	0~+2.5Vdc=0 to 100% rated output, Accuracy=±1%.
Voltage Line Regulation	±0.01% (input voltage change ± 2%)
Voltage Load Regulation	±0.1% (no load to full load change).
Operating Temperature	-55°C~+125°C
Storage Temperature	-60°C~+130°C
Humility	0%~90%RH, non-condensing
Cooling	Convection cooled.
Demensions	0.393"H×0.786"w×1.18"D(10mm×20mm×30mm)
Weight	15g

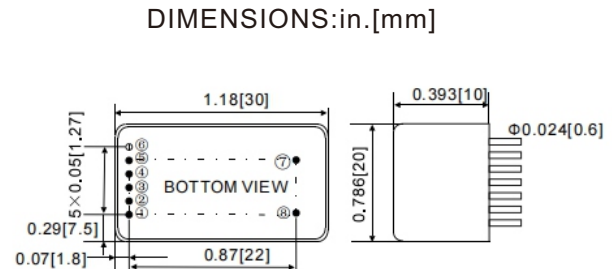
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MICRO-MODULES

MMB PIN INFORMATION

PIN	DESCRIPTION
1	Input voltage +20Vdc~36Vdc, Voltage optional.
2	Electrically
3	Power Ground
4	Voltage Programming, 0 ~+2.5Vdc =0~100% of rated
5	VREF, 2.5Vdc reference voltage
6	LS, Low level start(Optional)
7	HV Output
8	HV ground

MMB DIMENSIONS



MMB CONNECTION DIAGRAM

