MUB

±50V~±6kV
6W~60W
DOUBLE POLARITY HIGH VOLTAGE POWER SUPPLY

wisman®
High voltage power supply
威思曼高压电源

ISO9001:2015

- ULTRA COMPACT, HIGH POWER
- LOW RIPPLE, HIGH STABILITY, HIGH RELIABILITY
- PRAGRAMMABLE VOLTAGE/CURRENT REGULATION
- DOUBLE OUTPUT CAN BE COTROL INDEPENDENTLY
- OUTPUT POWER: 6W~60W
- OUTPUT POSITIVE AND NEGATIVE HIGH VOLTAGE SYNC
- OEM CUSTOMIZATION AVAILABLE

INTRODUCTION

Wisman's MUB series of printed circuit board mounted high-voltage modules are currently ahead of the market in terms of product appearance and power density. These SMT-based high-voltage power module has superior performance and high reliability featured with monitoring panel with arc, overload and short circuit protection etc. MUB series are the ideal option of OEM System integrator, Negative and positive can control output independently

TYPICAL APPLICATIONS

Laser pulse, capacitor charging, pulse power supply pulse generator, test equipment, ion pump, plasma generator, electrostatic precipitation, high voltage amplification bias, industrial testing, TDR, wire testing, cable testing, traveling wave tube. Medical chemical, Science experiments and Industrial application.

MUB SELECTION TABLE

kV	mA	P(W)	MODEL	RIPPLE (%p-p)	kV	mA	P(W)	MODEL	RIPPLE (%p-p)	kV	mA	P(W)	MODEL	RIPPLE (%p-p)
0.25	120	30	MUB0.25*15/0.25*15	0.04	1	30	30	MUB1*15/1*15	0.07	4	7.5	30	MUB4*15/4*15	0.065
	160	40	MUB0.25*20/0.25*20	0.08		40	40	MUB1*20/1*20	0.07		10	40	MUB4*20/4*20	0.065
	200	50	MUB0.25*25/0.25*25	0.08		50	50	MUB1*25/1*25	0.07		12.5	50	MUB4*25/4*25	0.065
	240	60	MUB0.25*30/0.25*30	0.08		60	60	MUB1*30/1*30	0.07		15	60	MUB4*30/4*30	0.065
0.5	60	30	MUB0.5*15/0.5*15	0.04	2	15	30	MUB2*15/2*15	0.015	6	5	30	MUB6*15/6*15	0.04
	80	40	MUB0.5*20/0.5*20	0.08		20	40	MUB2*20/2*20	0.045		6.67	40	MUB6*20/6*20	0.04
	100	50	MUB0.5*25/0.5*25	0.08		25	50	MUB2*25/2*25	0.045		8.33	50	MUB6*25/6*25	0.04
	120	60	MUB0.5*30/0.5*30	0.08		30	60	MUB2*30/2*30	0.045		10	60	MUB6*30/6*30	0.04

MUB SELECTION EXAMPLE

MUB	6	*	30	6	*	30	VIP	10	VIM	10
Series Number	Maximum Output Voltage (kV)	Output Polarity P: Positive Polarity N: Negative Polarity	Maximum Output Power(W)	Maximum Output Voltage (kV)	Output Polarity P: Positive Polarity N: Negative Polarity	Maximum Output Power(W)	Optional given VP: Voltage Programming IP: current Programming VPM: Voltage and current Programming	Optional given ratio 10:0~+10Vdc= 0 to maximum output 5:0~+5Vdc= 0 to maximum output	Optional display VM: Voltage Programming IM: Current Monitor VIM: Voltage and current Monitor	Optional display ratio 10:0~+10Vdc= 0 to maximum output 5:0~+5Vdc= 0 to maximum output

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B DOUBLE-MODULES

MUB SPECIFICATIONS

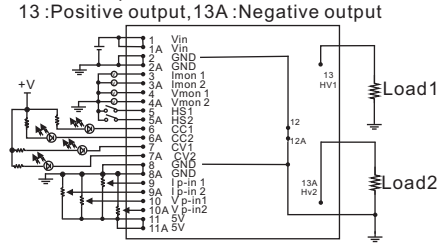
PARAMETER	DESCRIBE		
Input	30W(1.7A); 40W (2.3A); 50W.(2.9A); 60W.(3.5A) +24Vdc input		
Output	0.25kV~6kV, 6W~60W input power available		
Temperature Coefficient	≤15ppm/℃		
Stability	<0.01%/8hr after a 30 minute warm-up period		
Accuracy	±1%.		
Ripple	See MUB selection tabale		
Voltage/Current Monitor	0~+5Vdc corresponds to 0~100% of rated output voltage,Zout=1kΩ		
Voltage external Programming	0~+5 Vdc corresponds to 0~100% of rated output voltage. Current :Zin=100kΩ.		
Current external programming	0~+5 Vdc corresponds to 0~100% of rated output voltage. Current :Zin=100kΩ.		
Voltage/current Load Regulation	0.01% (no load to full load change)		
Voltage/current line Regulation	±0.01% (input Voltage line change±10%).		
Operating Temperature	0℃~+50℃		
Storage Temperature	-40℃~+85℃		
Protection	Short circuit protection		
Humidity	0%~90% RH, non-condensing		
Cooling	Convection cooled		
Dimensions	1.12" H x 2.86" W x 2.86" D (28.5mm x 72.6mm x72.6mm)	Weight	300g

MUB PIN INFORMATION

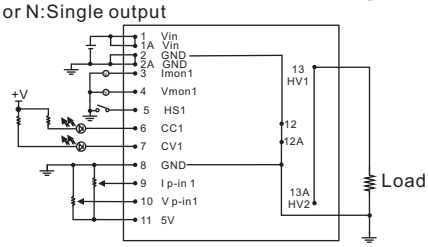
PIN	SIGNAL	PARAMETER
1	Power Input	+24Vdc power input
1A	Power Input	+24Vdc power input
2	Ground	Power ground
2A	Ground	Power ground
3	Imon1	0~+5Vdc,H1correspond0~100% rated output,Zout=1kΩ
3A	Imon 2	0~+5Vdc,H2correspond 0~100% rated output,Zout=1kΩ
4	Vmon1	0~+5Vdc,H1correspond 0 ~100% rated output,Zout=1kΩ
4A	Vmon2	0~+5Vdc,H2correspond 0~100% rated output,Zout=1kΩ
5	HS1	High Start 1（GND=OFF,OPEN=ON)
5A	HS2	High Start 2（GND=OFF,OPEN=ON)
6	CC1	The externalLED is lighted ,HV1is Constant current Mode
6A	CC2	The externalLED is lighted,HV2is Constant current Mode
7	CV1	The externalLED is lighted,HV1is Constant voltage Mode
7A	CV2	The externalLED is lighted,HV2is Constant voltage Mode
8	Ground	Signal ground
8A	Ground	Signal ground
9	I p-in 1	0~+5Vdc,H1correspond 0~100% rated output,Zin=100kΩ
9A	I p-in 2	0~+5Vdc,H2correspond 0~100% rated output,Zin=100kΩ
10	V p-in 1	0~+5Vdc,H1correspond 0~100% rated output,Zin=100kΩ
10A	V p-in2	0~+5Vdc,H2correspond 0~100% rated output,Zin=100kΩ
11	+5Vdc	+5Vdc Reference
11A	+5Vdc	+5Vdc Reference
12	Ground	HV ground
12A	Ground	HV ground
13	HV1	HV 1 output
13A	HV2	HV 1 output

MUB CONNECTION DIAGRAM

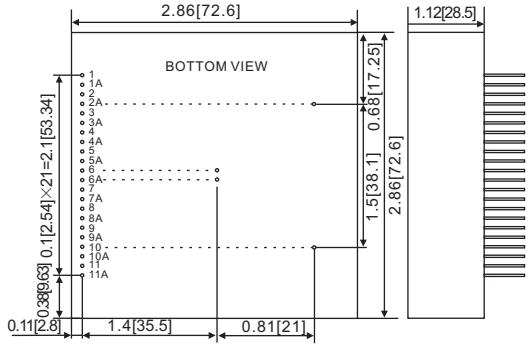
PN: Double output
13 :Positive output,13A :Negative output



P or N:Single output



MUB DIMENSIONS :in.[mm]



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