

110% of rated output current.

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## TMPS6067 Series Modular high voltage power supply

2.5 kV-20kV, 10W, high stability, low stability coefficient

TMPS6067 Series High Voltage Power Supply Model Selection Table (Customizable):

Output rating		Type of power supply	
kV	mA	Positive polarity	Negative polarity
2.5	4	TMPS6067P2.5-10	TMPS6067N2.5-10
5	2	TMPS6067P5-10	TMPS6067N5-10
10	1	TMPS6067P10-10	TMPS6067N10-10
15	0.66	TMPS6067P15-10	TMPS6067N15-10
20	0.5	TMPS6067P20-10	TMPS6067N20-10

## External interface-15 pin male D connector:

Stitch	Signal	Description
1	Power source ground	Ground
2	+ 24VDC input	+ 24VDC, max 1A
3	Voltage monitoring output	Voltage monitoring 0-10VDC corresponds to 0 to full-scale output $\pm$ 1% (on signal ground) Zout=10 k $\Omega$
4	Voltage reference output	10VDC, max 1mA
5	Voltage programming input	0 to 10VDC = 0 to 100% rated output $\pm$ 1%, Zin=10 M $\Omega$
6	Voltage Programmed Differential Amplifier Output	0 to 10VDC = 0 to 100% rated output, Zout=10 k $\Omega$
7	Voltage Programmed Differential Amplifier Input-Positive	0 to 10VDC Difference between pins 7 and 9 = 0 to 100% of rated output, diode clamp grounding, Zin=38 k $\Omega$
8	Current monitoring output	Voltage monitoring 0-10VDC corresponds to 0 to full-scale output $\pm$ 1% (on signal ground) Zout=10 k $\Omega$
9	Voltage Programmed Differential Amplifier Input-Negative	0 to 10VDC Difference between pins 7 and 9 = 0 to 100% of rated output, diode clamp grounding, Zin=38 k $\Omega$
10	Voltage programming digital output	0 to 10VDC = 0 to 100% rated output, Zout=10 k $\Omega$
11	Analog signal ground	Analog signals are used for control and monitoring
12	Enable input	Low = enabled, TTL, CMOS, subject to open collector
13	Digital mode	RS-232 or RS-485 configuration low level = RS-485, open circuit = RS-232
14	RS-232TxD/RS-485 (-)	Send data (output) on pin 1 or RS-485 inverted
15	RS-232RxD/RS-485 (+)	Receive data (input) on pin 1 or RS-485 non-inverted

## **Overall dimensions: mm**



