

POWERSUPPLIES

V1 DC/DC converter, 1W unregulated



- 1000VDC I/O isolation (up to 6000VDC on request)
- Standard 7pin SIL (DIL14 on request)
- Efficiency up to 78%
- Single output (dual output on request)

Technical data:

Input:

Input voltage range:	+/-10%
Filter:	Built-in capacitor
Input current at no load/full load:	5V mod. 30mA/267mA typ 12V mod. 20mA/108mA typ 24V mod. 10mA/53mA typ 48V mod. 6mA/28mA typ

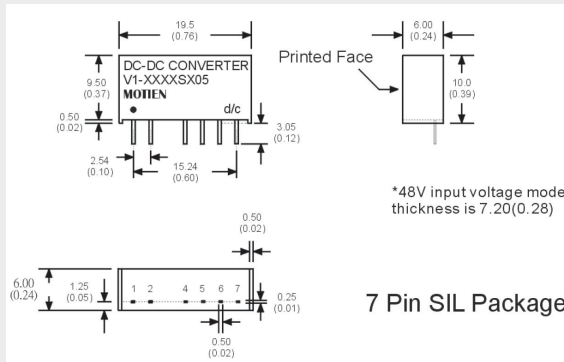
Output:

Voltage accuracy:	+/-3%
Line regulation:	+/-1.2% at 1% change of the input voltage
Load regulation 20-100% load:	+/-10%
Ripple p-p max, 20MHz BW:	75mV
Temp. coefficient:	+/-0.02% / °C
Short circuit protection:	1second

General data:

Efficiency:	70-78%
Isolation input/output:	1000VDC (up to 6000VDC on request)
Isolation resistance:	>1000Mohm
Isolation capacity:	60pF
Switch frequency typ:	80kHz
Temperature range:	-40°C...+85°C
Storage temperature:	-40°C...+125°C
Weight:	2.7g

Mechanical drawing / pin connections:



PIN CONNECTIONS				
PIN NUMBER	SINGLE	DUAL	SINGLE-H	DUAL-H
1	+V Input	+V Input	+V Input	+V Input
2	-V Input	-V Input	-V Input	-V Input
4	-V Output	-V Output	N.P.	N.P.
5	N.P.	Common	-V Output	-V Output
6	+V Output	+V Output	N.P.	Common
7	N.P.	N.P.	+V Output	+V Output

Ordering information:

Type	Input voltage	Output voltage	Current mA	Eff. %
V1-0505SS	5	5	200	78
V1-0512SS		12	83.3	76
V1-0524SS		24	41.7	72
V1-1205SS	12	5	200	74
V1-1212SS		12	83.3	77
V1-1224SS		24	41.7	75
V1-2405SS	24	5	200	77
V1-2412SS		12	83.3	78
V1-2424SS		24	41.7	78
V1-4805SS	48	5	200	72
V1-4812SS		12	83.3	74
V1-4824SS		24	41.7	70

*More models are available on request