

Stand: 14/11

Wide input range 1:4
 Case style: 2" x 1"

COMMERCIAL DC/DC Converters PWM - regulated

15 Watt
 Series: EW4- /C

Electrical specifications:

Input voltage: wide 1:4
 Input Pi-Filter:
 Output voltage accuracy: +/- 2%
 Line regulation: +/- 1% max.
 Load regulation: single +/- 1% max.
 dual +/- 2% max.
 (25% to 100% load)

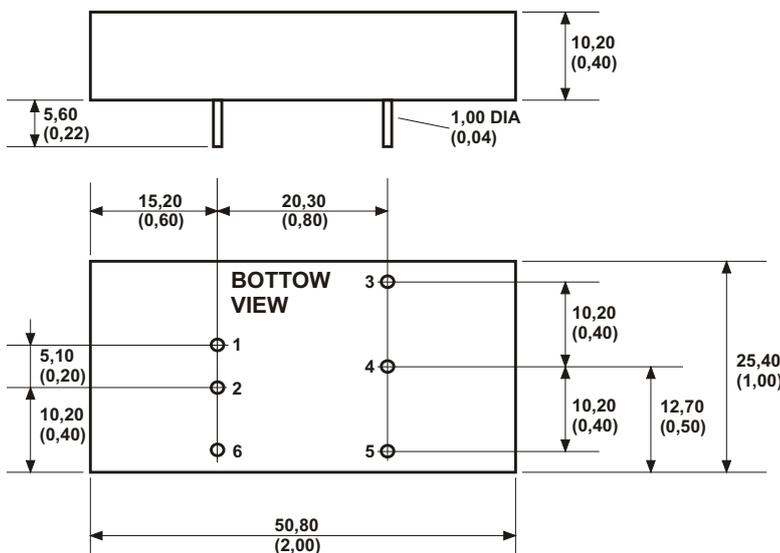
Efficiency: up to 87%
 Output ripple & noise: 100mVp-p max.
 Short circuit protection: continuous
 Operating temperature: -40°C to +71°C
 Isolation voltage: min. 2000V DC
 optional Part No.: /H3 min. 3000V DC

optional Part No.: /X with CTRL pin
 Five-sided metal shield

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

			15 Watt				15 Watt
Part - No. Single	Input Voltage	Output Voltage	Output Current	Part - No. Dual	Input Voltage	Output Voltage	Output Current
EW4-2405/C	24V DC	5V	3000mA	EW4-2405D/C	24V DC	+/- 5V	+/-1500mA
EW4-2412/C	(9-36V)	12V	1250mA	EW4-2412D/C	(9-36V)	+/-12V	+/- 625mA
EW4-2415/C		15V	1000mA	EW4-2415D/C		+/-15V	+/- 500mA
EW4-4805/C	48V DC	5V	3000mA	EW4-4805D/C	48V DC	+/- 5V	+/-1500mA
EW4-4812/C	(18-72V)	12V	1250mA	EW4-4812D/C	(18-72V)	+/-12V	+/- 625mA
EW4-4815/C		15V	1000mA	EW4-4815D/C		+/-15V	+/- 500mA

Any other output voltages available



PIN CONNECTION:		
PIN	Single	Dual
1	+ Input	+ Input
2	- Input	- Input
3	+ Output	+ Output
4	NO PIN	Common
5	- Output	- Output
6	CTRL (optional)	CTRL (optional)

ALL DIMENSIONS IN MM (INCHES)
 MILLIMETERS +/-0,5mm
 (INCHES +/- 0,02")

Specification may be changed without notice
 please contact office for verification

We can offer EMC - Filter
 according to EN55011/22 Class B.

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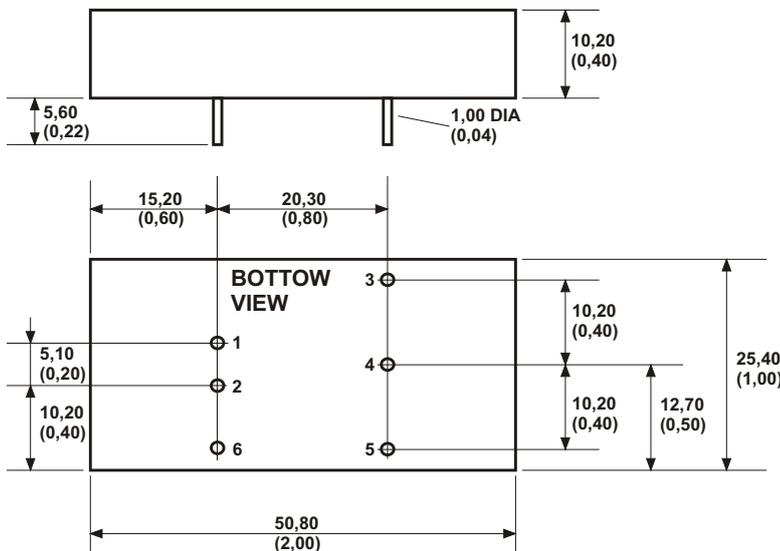
Efficiency: up to 87%
 Output ripple & noise: 100mVp-p max.
 Short circuit protection: continuous
 Operating temperature: -40°C to +71°C
 Isolation voltage: min. 2000V DC
 optional Part No.: /H3 min. 3000V DC

optional Part No.: /X with CTRL pin
 Five-sided metal shield

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part - No. Single	Input Voltage	Output Voltage	15 Watt Output Current	Part - No. Dual	Input Voltage	Output Voltage	15 Watt Output Current
EW4-2405/C	24V DC (9-36V)	5V	3000mA	EW4-2405D/C	24V DC (9-36V)	+/- 5V	+/-1500mA
EW4-2412/C		12V	1250mA	EW4-2412D/C		+/-12V	+/- 625mA
EW4-2415/C		15V	1000mA	EW4-2415D/C		+/-15V	+/- 500mA
EW4-4805/C	48V DC (18-72V)	5V	3000mA	EW4-4805D/C	48V DC (18-72V)	+/- 5V	+/-1500mA
EW4-4812/C		12V	1250mA	EW4-4812D/C		+/-12V	+/- 625mA
EW4-4815/C		15V	1000mA	EW4-4815D/C		+/-15V	+/- 500mA

Any other output voltages available



PIN CONNECTION:		
PIN	Single	Dual
1	+ Input	+ Input
2	- Input	- Input
3	+ Output	+ Output
4	NO PIN	Common
5	- Output	- Output
6	CTRL (optional)	CTRL (optional)

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Wide input range 1:4
 Case style: 2" x 1"

COMMERCIAL DC/DC Converters PWM - regulated

10 Watt / 15 Watt
 Series: EW4- /G

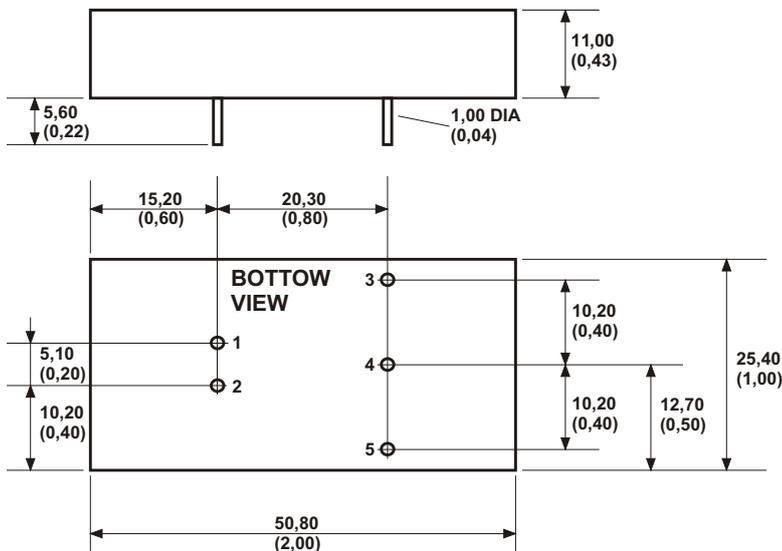
Electrical specifications:

Input voltage:	wide 1:4	Efficiency:	min. 74%
Input Pi-Filter:		Output ripple & noise:	100mVp-p max.
Output voltage accuracy:	+/- 2%	Short circuit protection:	continuous
Line regulation:	+/- 0,5% max.	Operating temperature:	-25°C to +71°C
Load regulation:	+/- 0,5% max. (10% to 100% load)	Isolation voltage:	min. 1500V DC
		optional: /H3	min. 3000V DC
		Five-sided metal shield	

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Part - No. Single	Input Voltage	Output Voltage	10 Watt	15 Watt	Part - No. Dual	Input Voltage	Output Voltage	10 Watt	15 Watt
			Output Current	Output Current				Output Current	Output Current
EW4-2405/G	24V DC (9-36V)	5V	2000mA	3000mA	EW4-2405D/G	24V DC (9-36V)	+/- 5V	+/-1000mA	+/-1500mA
EW4-2412/G		12V	830mA	1250mA	EW4-2412D/G		+/-12V	+/- 416mA	+/- 625mA
EW4-2415/G		15V	670mA	1000mA	EW4-2415D/G		+/-15V	+/- 333mA	+/- 500mA
EW4-4805/G	48V DC (18-72V)	5V	2000mA	3000mA	EW4-4805D/G	48V DC (18-72V)	+/- 5V	+/-1000mA	+/-1500mA
EW4-4812/G		12V	830mA	1250mA	EW4-4812D/G		+/-12V	+/- 416mA	+/- 625mA
EW4-4815/G		15V	670mA	1000mA	EW4-4815D/G		+/-15V	+/- 333mA	+/- 500mA

Any other output voltages available



PIN CONNECTION:		
PIN	Single	Dual
1	+ Input	+ Input
2	- Input	- Input
3	+ Output	+ Output
4	NO PIN	Common
5	- Output	- Output

ALL DIMENSIONS IN MM (INCHES)
 MILLIMETERS +/-0,5mm
 (INCHES +/- 0,02")

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Wide input range 1:4
 Case style: 2" x 1"

COMMERCIAL DC/DC Converters PWM - regulated

20 Watt
 Series: EW4

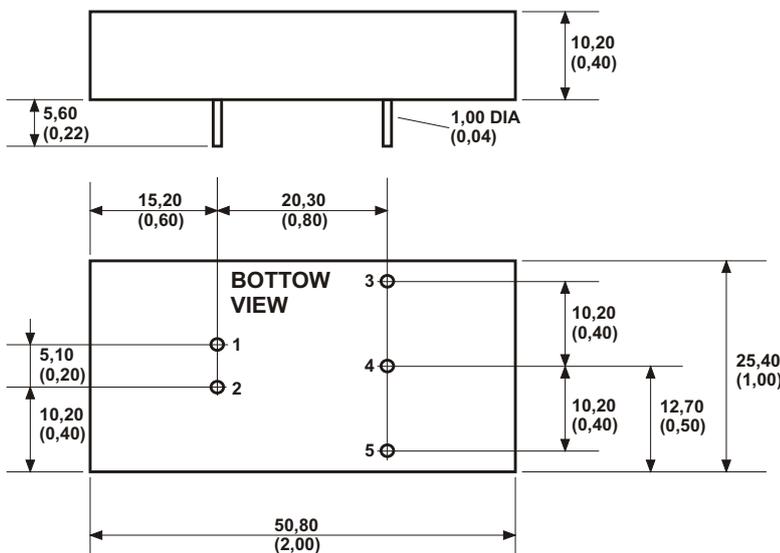
Electrical specifications:

Input voltage range:	wide 1:4	Output Ripple & Noise:	3,3V	60mVp-p
Input Pi-Filter:		20MHz BW	5,12,15V	75mVp-p
Output voltage accuracy:	+/- 1%		+/-5, +/-12, +/-15V	100mVp-p
(full load and nominal Vin)		Short circuit protection:	continuous	
Line regulation:	+/- 0,2%	Operating temperature:	-40°C to +85°C (with derating)	
Load regulation:	+/- 0,5% Single (100% to 10%)		-40°C to +63°C (no derating)	
	+/- 1% Dual	Isolation voltage:	min. 1600V DC	
Efficiency:	up to 86%		five-sided metal shield	

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

			20 Watt				20 Watt
Part - No. Single	Input Voltage	Output Voltage	Output Current	Part - No. Dual	Input Voltage	Output Voltage	Output Current
EW4-2405	24V DC	5V	4000 mA	EW4-2405D	24V DC	+/- 5V	+/-2000 mA
EW4-2412	(9-36V)	12V	1670 mA	EW4-2412D	(9-36V)	+/-12V	+/- 833 mA
EW4-2415		15V	1330 mA	EW4-2415D		+/-15V	+/- 667 mA
EW4-4805	48V DC	5V	4000 mA	EW4-4805D	48V DC	+/- 5V	+/-2000 mA
EW4-4812	(18-72V)	12V	1670 mA	EW4-4812D	(18-72V)	+/-12V	+/- 833 mA
EW4-4815		15V	1330 mA	EW4-4815D		+/-15V	+/- 667 mA

Any other output voltages available



PIN CONNECTION:		
PIN	Single	Dual
1	+ Input	+ Input
2	- Input	- Input
3	+ Output	+ Output
4	NO PIN	Common
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