

Stand: 07/04

## COMMERCIAL DC/DC Converters PWM - regulated

10 Watt  
 Series: EW4

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

### Electrical specifications:

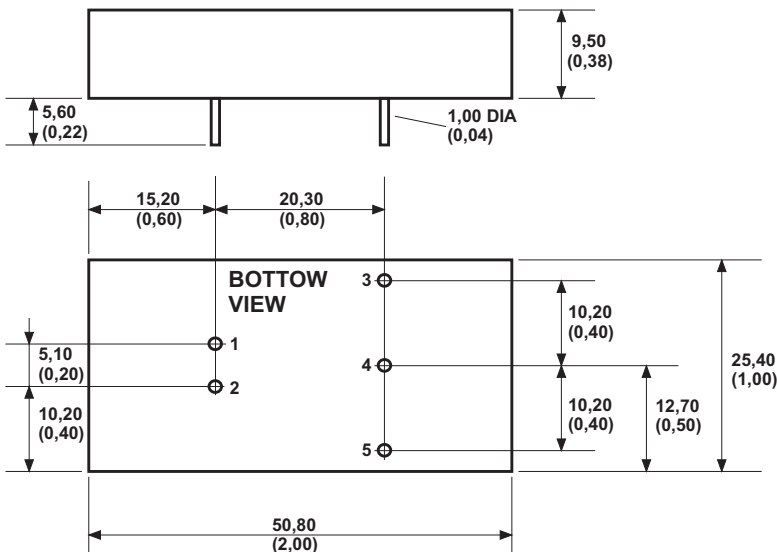
Input voltage range: wide 1:4  
 Input Pi-Filter:  
 Output voltage accuracy: +/- 2%  
 Line regulation: +/- 1%  
 Load regulation: +/- 1% Single (100% to 10%)  
 +/- 2% Dual  
 Efficiency: min. 75%

Output Ripple & Noise: 50mVp-p;  
 20MHz BW  
 Short circuit protection: 75mVp-p  
 continuous  
 Operating temperature: -25°C to +71°C  
 Isolation voltage: min. 1600V DC  
 six-sided metal shield

### CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

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

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")

Specification may be changed without notice  
 please contact office for verification

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

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:

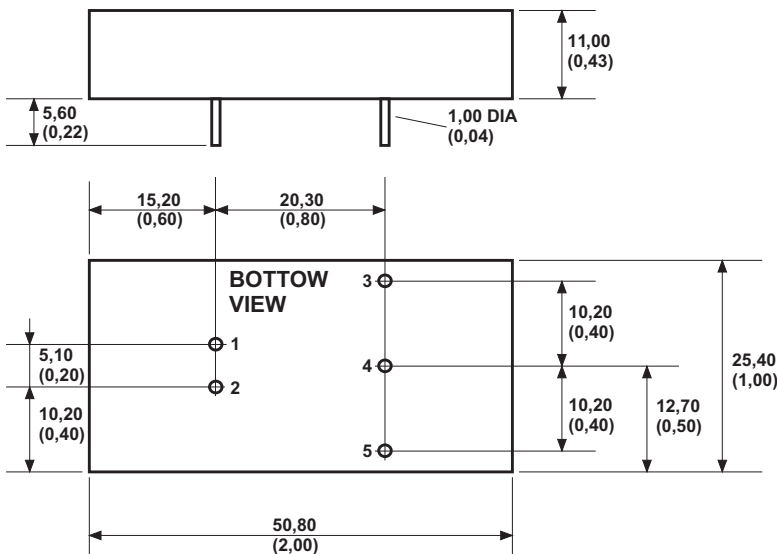
Input voltage: wide 1:4  
 Input Pi-Filter:  
 Output voltage accuracy: +/- 2%  
 Line regulation: +/- 0,5% max.  
 Load regulation: +/- 0,5% max.  
 (10% to 100% load)

Efficiency: min. 70%  
 Output ripple & noise: 100mVp-p max.  
 Short circuit protection: continuous  
 Operating temperature: -25°C to +71°C  
 Isolation voltage: min. 1000V 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				Output Current	Output Current		
EW4-2405/G	24V DC	5V	2000mA	3000mA	EW4-2405D/G	24V DC	+/- 5V	+/-1000mA	+/-1500mA				
EW4-2412/G	(9-36V)	12V	830mA	1250mA	EW4-2412D/G	(9-36V)	+/-12V	+/- 416mA	+/- 625mA				
EW4-2415/G		15V	670mA	1000mA	EW4-2415D/G		+/-15V	+/- 333mA	+/- 500mA				
EW4-4805/G	48V DC	5V	2000mA	3000mA	EW4-4805D/G	48V DC	+/- 5V	+/-1000mA	+/-1500mA				
EW4-4812/G	(18-72V)	12V	830mA	1250mA	EW4-4812D/G	(18-72V)	+/-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

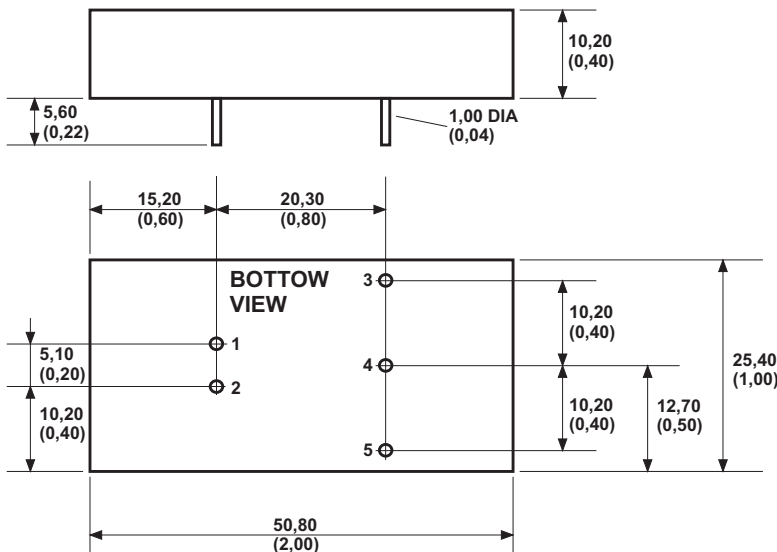
### Electrical specifications:

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
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