

Unregulated  
 Case Style: DIL24

## COMMERCIAL DC/DC Converters

1,8 Watt / 3 Watt  
 Series: BU

### Electrical specifications:

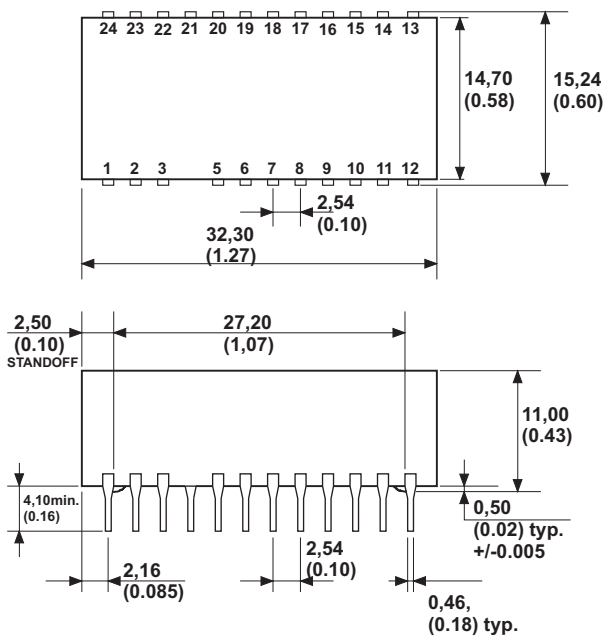
Input voltage range: +/- 10%  
 Output voltage accuracy: +/- 5%  
 Line regulation: +/- 1,2%/1%Vin  
 Load regulation: +/- 10%  
 (10% to 100% full load)  
 Efficiency: min. 75%

Output Ripple & Noise: typ. 50mVp-p  
 1,0 second  
 Short circuit protection: -40°C to +85°C  
 Operating temperature:  
 Isolation voltage: min. 500V DC

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!

Single Output				1,8 Watt	3 Watt	Dual Output			1,8 Watt	3 Watt
Part - No.	Input Voltage	Output Voltage	Output current	Output current	Output current	Part - No.	Input Voltage	Output Voltage	Output current	Output current
BU-0505	5V	5V	360mA	600mA	600mA	BU-0505D	5V	+/- 5V	+/-180mA	+/-300mA
BU-0509		9V	200mA	330mA		BU-0512D		+/-12V	+/- 75mA	+/-125mA
BU-0512		12V	150mA	250mA		BU-0515D		+/-15V	+/- 60mA	+/-100mA
BU-0515		15V	120mA	200mA						
BU-1205	12V	5V	360mA	600mA	600mA	BU-1205D	12V	+/- 5V	+/-180mA	+/-300mA
BU-1209		9V	200mA	330mA		BU-1212D		+/-12V	+/- 75mA	+/-125mA
BU-1212		12V	150mA	250mA		BU-1215D		+/-15V	+/- 60mA	+/-100mA
BU-1215		15V	120mA	200mA						
BU-1505	15V	5V	360mA	600mA	600mA	BU-1505D	15V	+/- 5V	+/-180mA	+/-300mA
BU-1512		12V	150mA	250mA		BU-1512D		+/-12V	+/- 75mA	+/-125mA
BU-1515		15V	120mA	200mA		BU-1515D		+/-15V	+/- 60mA	+/-100mA
BU-2405	24V	5V	360mA	600mA	600mA	BU-2405D	24V	+/- 5V	+/-180mA	+/-300mA
BU-2412		12V	150mA	250mA		BU-2412D		+/-12V	+/- 75mA	+/-125mA
BU-2415		15V	120mA	200mA		BU-2415D		+/-15V	+/- 60mA	+/-100mA

Any other input & output voltages available



PIN CONNECTION		
PIN	SINGLE	DUAL
1 & 24	+ IN	+ IN
2 & 23	NC	-Vout
3 & 22	NC	COM
4	NP	NP
10 & 15	- Vout	COM
11 & 14	+Vout	+Vout
12 & 13	- IN	- IN

ALL DIMENSIONS IN MM (INCHES)  
 MILLIMETERS +/- 0,25mm  
 (INCHES +/-0,01")  
 All pins on a 2,54mm pitch  
 Note: NP = No pin; NC = No connection;  
 Dot denotes pin 1

Specification may be changed without notice  
 please contact office for verification

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

# COMMERCIAL DC/DC Converters BS EN 60950 Certified

Stand: 29/05

**2 Watt  
 Series: BU /6**

**Unregulated  
 Case Style: DIL24**

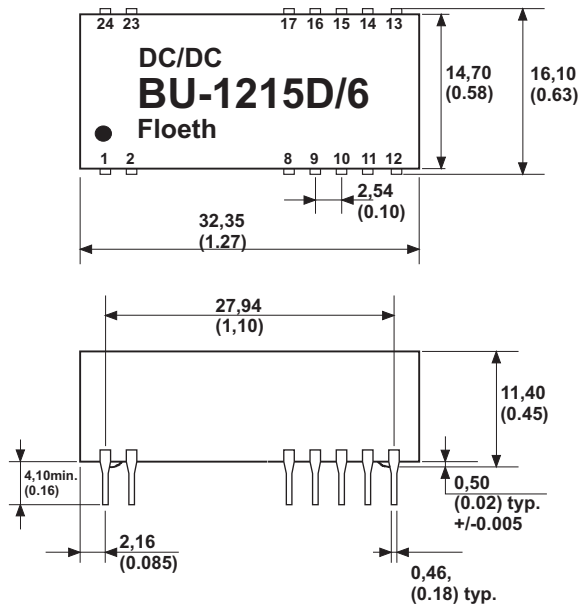
**Electrical specifications:**

Input voltage range:	+/- 10%	Output Ripple & Noise:	typ. 200mVp-p
Output voltage accuracy:	+/- 5%	Short circuit protection:	1,0 second
Line regulation:	+/- 1,2% Typ. / 1% of Vin	Operating temperature:	-40°C to +85°C
Load regulation:	5V output types +/- 15% max.	Isolation voltage:	
(10% to 100% full load)	9V - 24V output types +/- 10% max.	Part-No.: /6	min. 6000V DC
Efficiency:	min. 70%		

**CAUTION: NO INPUT POLARITY CHANGE ALLOWED!**

Single Output				Dual Output			
Part - No.	Input Voltage	Output Voltage	Output current	Part - No.	Input Voltage	Output Voltage	Output current
BU-xx03,3/6	5V	3,3V	600mA	BU-xx03,3D/6	5V	+ - 3,3V	+/-300mA
BU-xx05/6		5V	400mA	BU-xx05D/6		+/- 5V	+/-200mA
BU-xx09/6	12V	9V	220mA	BU-xx09D/6	12V	+/- 9V	+/-111mA
BU-xx12/6	15V	12V	167mA	BU-xx12D/6	15V	+/-12V	+/- 83mA
BU-xx15/6	24V	15V	133mA	BU-xx15D/6	24V	+/-15V	+/- 67mA
BU-xx24/6		24V	83mA	BU-xx24D/6		+/-24V	+/- 42mA

**Any other input & output voltages available**



PIN CONNECTION			
PIN	SINGLE	PIN	DUAL
1	+ Vin	1	+ Vin
2	- Vin	2	- Vin
8; 9; 11; 14	NC	8; 17	- Vout
10;15	- Vout	9;11;14;16;23;24	NC
12;13	+Vout	10; 15	COM
16; 17; 23; 24	NC	12; 13	+Vout

**ALL DIMENSIONS IN MM (INCHES)  
 MILLIMETERS +/- 0,25mm  
 (INCHES +/-0,01")  
 All pins on a 2,54mm pitch  
 Note: NC = No connection;  
 Dot denotes pin 1**

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