

**FLYBACK**  
**Wide input range 1:2**  
**Case style: 2" x 2"**

**INDUSTRIAL**  
**DC/DC Converters**  
**PWM - regulated**

**6 Watt / 10 Watt**  
**Series: DLIW2**

**Electrical specifications:**

Operating temperature: -40°C up to +105°C  
 Ambient temperature: -40°C to +71°C  
 Output voltage accuracy: +/- 2%  
 Line regulation: +/- 0,2%  
 Load regulation: +/- 1%  
 Efficiency: up to 80%  
 Short circuit protection: full protection

Output Ripple & Noise: typ. 150mVp-p @ 1kV isolation voltage  
 Insulation test voltage: 1000V DC  
 Insulation test voltage Part-Nr. /3: 3kV AC rms  
 Enable / Disable pin can be provided on request  
 Five sided metal shield  
 Part-No. /5 External -IN & -OUT / COM connection allowed

All specifications typical @ Ta +25°C  
 Nom. Vin & full load, unless otherwise specified!

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

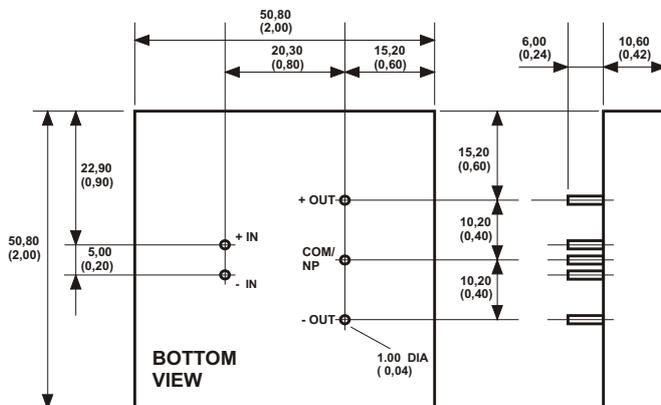
**6 Watt**

Part - No. Single	Input Voltage DC	Output Voltage	Output Current	Part - No. Dual	Input Voltage DC	Output Voltage DC	Output Current
DLIW2-1205	12V	5V	1200mA	DLIW2-1205D	12V	+/- 5V	+/-600mA
DLIW2-1212	( 9-18V)	12V	500mA	DLIW2-1212D	( 9-18V)	+/-12V	+/-250mA
DLIW2-1215		15V	400mA	DLIW2-1215D		+/-15V	+/-200mA
DLIW2-2405	24V	5V	1200mA	DLIW2-2405D	24V	+/- 5V	+/-600mA
DLIW2-2412	(16-36V)	12V	500mA	DLIW2-2412D	(16-36V)	+/-12V	+/-250mA
DLIW2-2415		15V	400mA	DLIW2-2415D		+/-15V	+/-200mA
DLIW2-4805	48V	5V	1200mA	DLIW2-4805D	48V	+/- 5V	+/-600mA
DLIW2-4812	(36-72V)	12V	500mA	DLIW2-4812D	(36-72V)	+/-12V	+/-250mA
DLIW2-4815		15V	400mA	DLIW2-4815D		+/-15V	+/-200mA

**10 Watt**

Part - No. Single	Input Voltage DC	Output Voltage	Output Current	Part - No. Dual	Input Voltage DC	Output Voltage DC	Output Current
DLIW2-1205	12V	5V	2000mA	DLIW2-1205D	12V	+/- 5V	+/-1000mA
DLIW2-1212	( 9-18V)	12V	833mA	DLIW2-1212D	( 9-18V)	+/-12V	+/- 416mA
DLIW2-1215		15V	666mA	DLIW2-1215D		+/-15V	+/- 333mA
DLIW2-2405	24V	5V	2000mA	DLIW2-2405D	24V	+/- 5V	+/-1000mA
DLIW2-2412	(16-36V)	12V	833mA	DLIW2-2412D	(16-36V)	+/-12V	+/- 416mA
DLIW2-2415		15V	666mA	DLIW2-2415D		+/-15V	+/- 333mA
DLIW2-4805	48V	5V	2000mA	DLIW2-4805D	48V	+/- 5V	+/-1000mA
DLIW2-4812	(36-72V)	12V	833mA	DLIW2-4812D	(36-72V)	+/-12V	+/- 416mA
DLIW2-4815		15V	666mA	DLIW2-4815D		+/-15V	+/- 333mA

**Any other output voltages available**



ALL DIMENSIONS IN MM (INCHES)  
 MILLIMETERS +/-0,25mm  
 (INCHES +/-0,01")

NP (no pin) on single output models  
 COM (common) on dual output models

Specification may be changed without notice  
 please contact office for verification

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

# INDUSTRIAL DC/DC Converters

PWM - regulated

Stand 13/13

10 Watt

Series:  
 523 /DLIW2  
 523S/DLIW2

FLYBACK  
 Wide input range 1:2

**Electrical specifications:**

Operating temperature: -40°C up to +105°C  
 Ambient temperature: -40°C to +71°C  
 Output voltage accuracy: +/- 2%  
 Line regulation: +/- 0,2%  
 Load regulation: +/- 1%  
 Efficiency: up to 80%  
 Short circuit protection: fully protection

Output Ripple & Noise: typ. 150mVp-p  
 @ 1kV isolation voltage  
 Insulation test voltage: 1000V DC  
 Insulation test voltage Part-Nr. /3: 3kV AC rms  
 Part-No. /5 External -IN & -OUT / COM connection allowed

523S:  
 Input polarity protection with diode in series to input  
 Converter will not get damaged if Vin below 36V

This part includes input- and output filtering acc. to  
 EN 55011/22 Class B

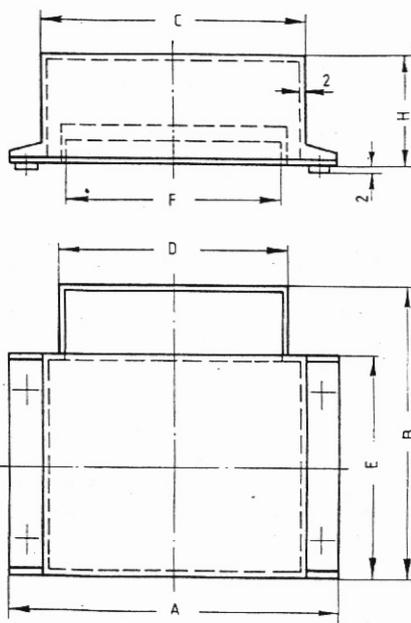
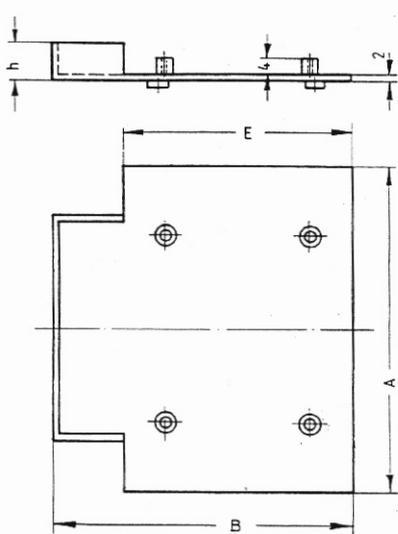
All specifications typical @ Ta +25°C  
 Nom. Vin & full load, unless otherwise specified!

CAUTION NO INPUT POLARITY CHANGE ALLOWED!

Part - No. Single	Input Voltage DC	Output Voltage	Output Current
523/DLIW2-48yy	(36-72V)	5V	2000mA
523S/DLIW2-48yy		12V 24V	833mA 416mA

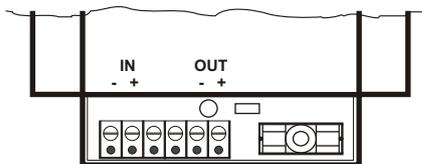
max. output capacitor: 3000µF !!

Any other input and output voltage available!



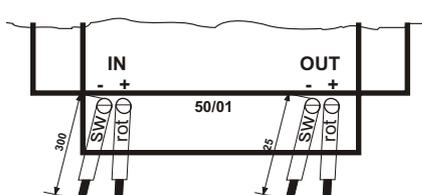
ALL DIMENSIONS IN MM  
 MILLIMETERS +/-0,25mm  
 A = 98; B = 88; C = 80;  
 D = 68; E = 67; F = 63;  
 H = 31; h = 1,5

523S:



Connection via terminal strips

523:



Leitungsquerschnitt = 1,0mm²

Specification may be changed without notice  
 please contact office for verification

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