

**FLYBACK**  
**Case style: 2" x 2"**

# INDUSTRIAL DC/DC Converters PWM - regulated

**5 - 10 Watt**  
**Series: DLI**

**reinforced/double insulation to various EN/UL/CSA-regulations**

## Electrical specifications:

Ambient temperature: -40°C to +71°C  
Operating temperature: max. +105°C  
Input voltage range: +/- 10%  
Output voltage accuracy: +/- 3%  
Line regulation: +/- 0,2%  
Load regulation: +/- 1%  
Efficiency: min. 70%  
Short circuit protection: full protection

Output Ripple & Noise: typ. 1,0V / 3,0Vp-p

Insulation test voltage 3kV AC rms  
Five sided metal shield  
Part-No. /5: External -IN & -OUT / COM connection allowed

Output Ripple & Noise: 2,0V / 12,0Vp-p  
directly connection -IN & -OUT (COM) or capacitor 1nF/xxkV  
reduce noise considerable

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

## 5 Watt

| Part - No.<br>Single | Input<br>Voltage DC | Output<br>Voltage DC | Output<br>Current | Part - No.<br>Dual         | Input<br>Voltage DC | Output<br>Voltage DC | Output<br>Current  |
|----------------------|---------------------|----------------------|-------------------|----------------------------|---------------------|----------------------|--------------------|
| DLI-12300            | 12V                 | 300V                 | 16mA              | DLI-12150D<br>DLI-12100D** | 12V                 | +/-150V<br>+/-100V   | +/-16mA<br>+/-25mA |

## 10 Watt

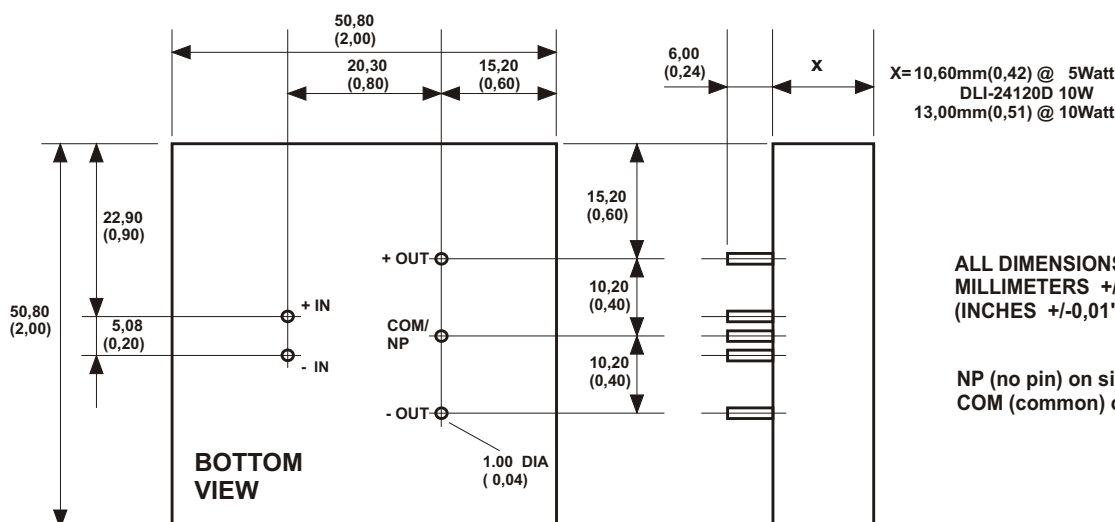
| Part - No.<br>Single | Input<br>Voltage DC | Output<br>Voltage DC | Output<br>Current | Part - No.<br>Dual       | Input<br>Voltage DC | Output<br>Voltage DC  | Output<br>Current  |
|----------------------|---------------------|----------------------|-------------------|--------------------------|---------------------|-----------------------|--------------------|
| DLI-48600            | 48V                 | 600V                 | 16mA              | DLI-24120D<br>DLI-48300D | 24V<br>48V          | +/-120V***<br>+/-300V | +/-42mA<br>+/-16mA |

**Any other input and output voltages available**

\*\* each output capacitor of 4,7µF will reduce ripple significantly

\*\*\* Note: output capacitor max. 2x10µF

max. capacitive load should not exceed  
1µF at each output, otherwise no start up!



Specification may be changed without notice  
please contact office for verification

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

**FLYBACK**  
Case style: 2" x 2"

# INDUSTRIAL

## DC/DC Converters

### PWM - regulated

**8 Watt**  
**Series: DLI**

reinforced/double insulation to various EN/UL/CSA-regulations

### Electrical specifications:

Ambient temperature: -40°C to +55°C  
Operating temperature: max. +90°C  
Input voltage range: +/- 1,0V  
Output voltage accuracy: +/- 3%  
Line regulation: +/- 0,2%  
Load regulation: +/- 0,5%  
Efficiency: ~ 68%  
Short circuit protection: 30 sec.

Output Ripple & Noise: typ. 1,0V / 3,0Vp-p

Insulation test voltage: 3kV AC rms  
Five sided metal shield  
Part-No. /5 External -IN & -OUT / COM connection allowed  
Output Ripple & Noise: 2,0V / 12,0Vp-p

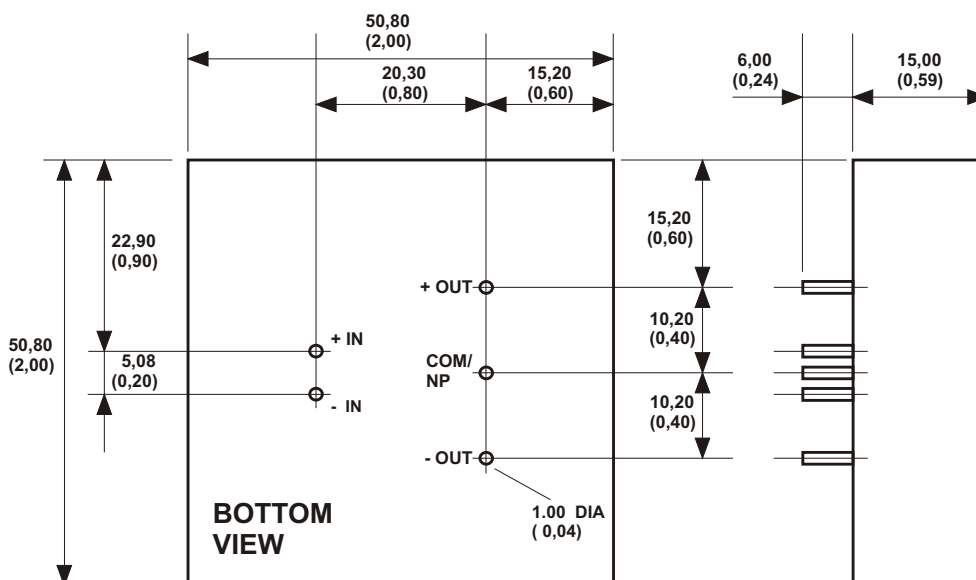
**CAUTION: NO INPUT POLARITY CHANGE ALLOWED!**

**8 Watt**

| Part - No.<br>Dual | Input<br>Voltage DC | Output<br>Voltage DC | Output<br>Current |
|--------------------|---------------------|----------------------|-------------------|
| DLI-07240D         | 6-8V                | +/-240V              | +/-16mA           |

Input capacitor requested 2x4700µF16V Elco  
Output capacitor requested max. 2,2µF/350V Elco

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

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