



Unregulated  
 Case Style: SIP 7

## COMMERCIAL DC/DC Converters

1Watt / 2 Watt

Series: S7U

### Electrical specifications:

Input voltage accuracy: +/- 10%  
 Output voltage accuracy: +/- 10%  
 Line regulation of Vin: +/- 1% / +/-1%  
 Load regulation: +/- 10%  
 Efficiency: min. 70%  
 Output Ripple & Noise: 1W; typ. 50mVp-p  
 2W; typ. 150mVp-p

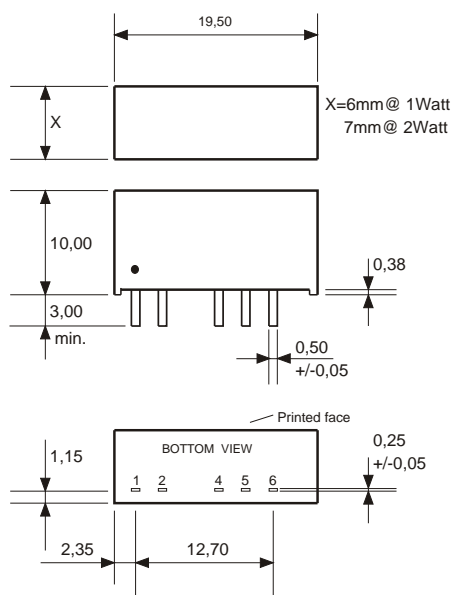
Short circuit protection: 1,0 second  
 Temperature: -25°C to +85°C  
 Isolation voltage: min. 1000V DC  
 Isolation optional (Part-Nr. /H): min. 2kV DC at 1Watt Series

Part-Nr. /5 0,50W output power  
 Part-Nr. /7 0,75W output power

| Single Output |               |                |                       |                       | Dual Output |               |                |                       |                       |
|---------------|---------------|----------------|-----------------------|-----------------------|-------------|---------------|----------------|-----------------------|-----------------------|
| Part-No.      | Input Voltage | Output Voltage | 1 Watt Output current | 2 Watt Output current | Part-No.    | Input Voltage | Output Voltage | 1 Watt Output current | 2 Watt Output current |
| S7U-0505      | 5V            | 5V             | 200mA                 | 400mA                 | S7U-0505D   | 5V            | 5V             | +/-100mA              | +/-200mA              |
| S7U-0512      |               | 12V            | 83mA                  | 166mA                 | S7U-0512D   |               | 12V            | +/- 41mA              | +/- 83mA              |
| S7U-0515      |               | 15V            | 66mA                  | 132mA                 | S7U-0515D   |               | 15V            | +/- 33mA              | +/- 66mA              |
| S7U-1205      | 12V           | 5V             | 200mA                 | 400mA                 | S7U-1205D   | 12V           | 5V             | +/-100mA              | +/-200mA              |
| S7U-1212      |               | 12V            | 83mA                  | 166mA                 | S7U-1212D   |               | 12V            | +/- 41mA              | +/- 83mA              |
| S7U-1215      |               | 15V            | 66mA                  | 132mA                 | S7U-1215D   |               | 15V            | +/- 33mA              | +/- 66mA              |
| S7U-1505      | 15V           | 5V             | 200mA                 | 400mA                 | S7U-1505D   | 15V           | 5V             | +/-100mA              | +/-200mA              |
| S7U-1512      |               | 12V            | 83mA                  | 166mA                 | S7U-1512D   |               | 12V            | +/- 41mA              | +/- 83mA              |
| S7U-1515      |               | 15V            | 66mA                  | 132mA                 | S7U-1515D   |               | 15V            | +/- 33mA              | +/- 66mA              |
| S7U-2405      | 24V           | 5V             | 200mA                 | 400mA                 | S7U-2405D   | 24V           | 5V             | +/-100mA              | +/-200mA              |
| S7U-2412      |               | 12V            | 83mA                  | 166mA                 | S7U-2412D   |               | 12V            | +/- 41mA              | +/- 83mA              |
| S7U-2415      |               | 15V            | 66mA                  | 132mA                 | S7U-2415D   |               | 15V            | +/- 33mA              | +/- 66mA              |
| S7U-2424      |               | 24V            | 41mA                  |                       |             |               |                |                       |                       |

Any other output voltages available

\* Add "A" to the end of Partnumber.  
 For example S7U-0505A 1Watt



| PIN CONNECTION |        |           |       |
|----------------|--------|-----------|-------|
| PIN            | SINGLE | SINGLE A* | DUAL  |
| 1              | VCC    | VCC       | VCC   |
| 2              | GND    | GND       | GND   |
| 4              | NC     | -Vout     | -Vout |
| 5              | -Vout  | NP        | COM   |
| 6              | +Vout  | +Vout     | +Vout |

ALL DIMENSIONS IN MM  
 Tolerance +/- 0,25mm  
 All pins on a 2,54mm pitch  
 NC = No connection, NP = No pin

NOTE: Input and output capacitor  
 4,7µF - 10µF recommended.  
 Dot denotes pin 1  
 2 Watt version less stressable  
 than 1 Watt Version

CAUTION: NO INPUT POLARITY CHANGE ALLOWED!