



## SM 78xx Series

5V/9V/12V/15V/18V/24V Outputs  
High-Efficiency Switching  
Regulators

### Feature

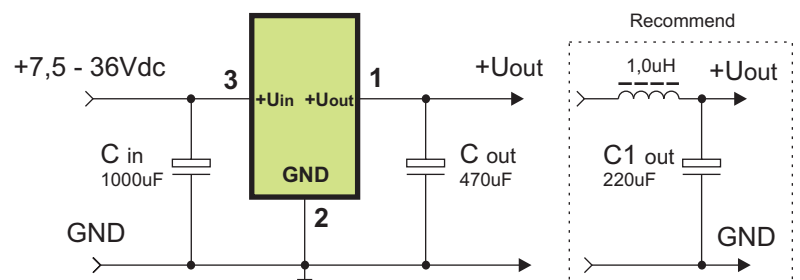
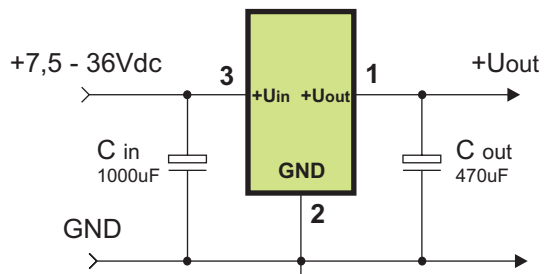
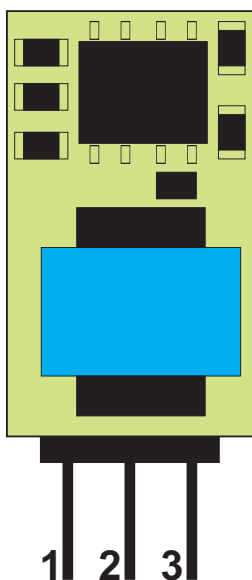
- 5V/9V/12V/15V/18V/24V Outputs for 0,1A/0,33A/0,5A
- +7,5 - 36V dc operating input range
- Pin and size-compatible with LM78xx regulators
- Active Current Limiting
- Low Standby Current
- Frequency Operation to 100kHz
- no temperature derating
- no forced-air cooling

### Order information

OUTPUT VOLTAGE	5V, 9V, 12V, 15V, 18V and 24V dc
OUTPUT CURRENT	0,1A , 0,33A or 0,5A
INPUT VOLTAGE	7,5 - 36Vdc
OUTPUT VOLTAGE ACCURACY	+/- 1%
EFFICIENCY	Up to 95%
<b>ENVIRONMENTAL CONDITIONS</b>	
1 Ambient Temperature	-20 - +70 °C
2 Storage Temperature	-40 - +85 °C
3 Humidity	0 - 85% (Non-Condensing)
4 Cooling	Free Air Convection
<b>HOUSING</b>	
1 Dimensions, mm	W12xH30xD7 (SM78xx-1) W12xH30xD9 (SM78xx-3) W12xH30xD11 (SM78xx-5)
2 Weight	< 10g
3 Package	Open-frame SIP

### Electrical Connection

#### SM78-xx-x Series



# SM 78-xx-x Series Switching Regulators

## Order Code

SM78 - xx - x

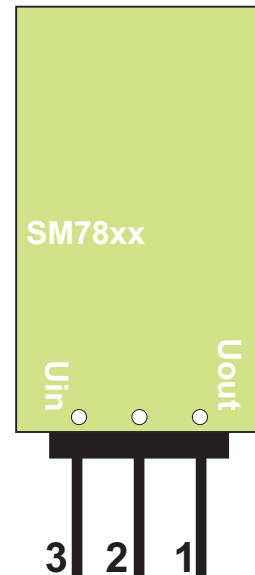
### OUTPUT CURRENT

- 1 - 0,1A
- 3 - 0,33A
- 5 - 0,5A

### OUTPUT VOLTAGE

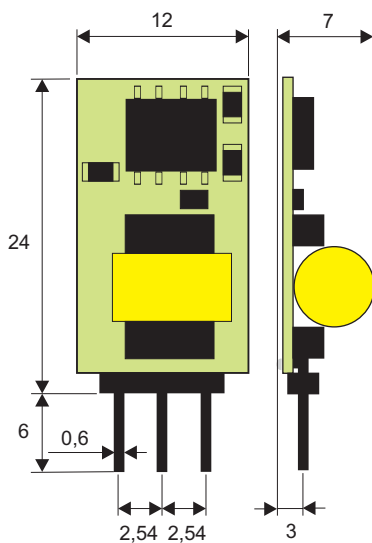
- 05 - 5Vdc
- 09 - 9Vdc
- 12 - 12Vdc
- 15 - 15Vdc
- 18 - 18Vdc
- 24 - 24Vdc

## Marking (Back Side)

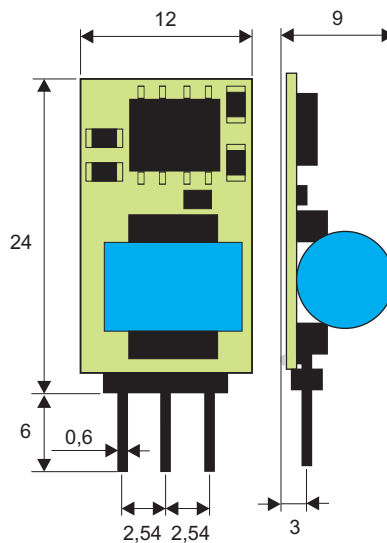


## Dimension

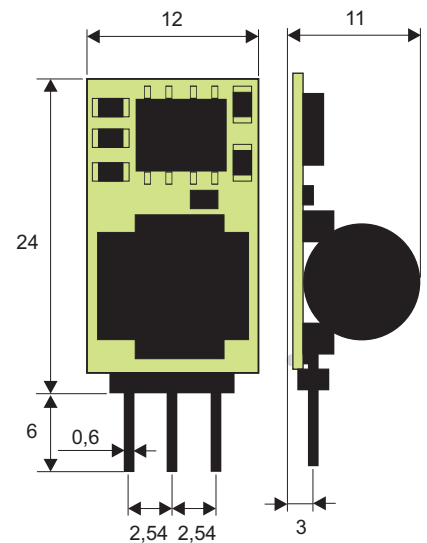
SM78-xx-1 Series



SM78-xx-3 Series



SM78-xx-5 Series



MECHANICAL DIMENSIONS: mm