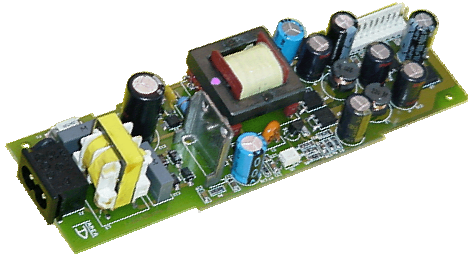
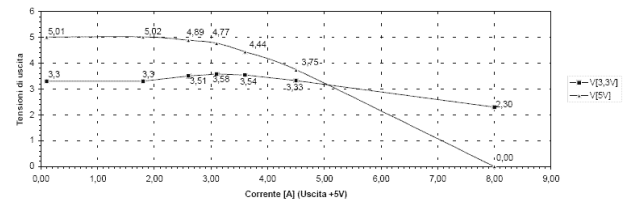


# AC-DC Open-Frame Power Supply STB-20



## Key Features

- fly-back topology
- direct line
- open-frame
- multi output
- insulated output
- short circuit protected
- high efficiency
- high reliability
- little space
- low cost
- DVB-T set-top box application



## Technical specifications

|                       |  |
|-----------------------|--|
| Input voltage         | 175-264Vac@47-63Hz   |
| Operative temperature | 0 +50°C  |
| Efficiency            | > 70% full load  |
| EMI capability        | FCC cl. B<br>CISPR cl. B<br>EN55022 cl. B<br>VDE 0878 PT3 cl. B  |
| Peak current          | < 15A@175Vac<br>< 30A@230Vac   |
| Leakage current       | < 0,5A without load @264Vac  |
| Output voltage        | + 12Vdc +/-5% - 200mA<br>+ 5Vdc +/-5% - 1,8A<br>+ 8Vdc +/-5% - 50mA<br>+1,8Vdc +/-5% - 200mA<br>+3,4Vdc +/-3% - 2,2A |
| Output ripple         | < 1% on each output voltage  |
| Output spikes         | < 100mV full load  |

## Technical Characteristics

### ELECTRICAL

Input voltage : 115 - 220 Vac 50/60Hz  
 Nominal power : 20 Watt  
 Insulation : 2750 Vac (Output to Earth)  
 5000 Vdc (Output to Earth)

Short circuit protection on each output

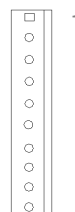
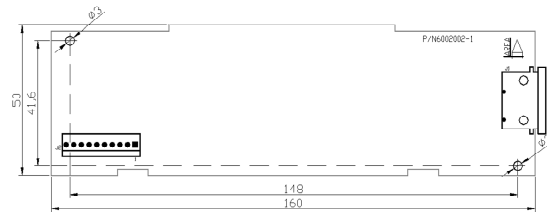
### MECHANICAL

Dimensions : 160 x 50 x 25 (h)  
 Weight : 150 grams

### CONNECTIONS

Input : socket 2 pole TYPE112(CEE III)  
 Output : Molex 10p Male p. 2,54mm

## Mechanical Layout (Unit: mm)



|                  |               |
|------------------|---------------|
| Pin 1:           | + 12Vdc 200mA |
| Pin 3:           | + 5Vdc 1.8A   |
| Pin 5:           | + 8Vdc 50mA   |
| Pin 7:           | +1.8Vdc 200mA |
| Pin 9:           | +3.4Vdc 2.2A  |
| Pins 2-4-6-8-10: | GND           |

