## PC/104 - POWER SUPPLY UNITS







# ACS-5135 PSU 30W

# DATA SHEET

**Features** 

#### **Environmental**

Operating Temperature: -40°C to +85°C
Operating Humidity: 50-90% Non-Cond.
Storage Humidity: 100% Non-Cond.
Operating Altitude: 10,000ft ASL
Storage Altitude: 20,000ft ASL
Cooling: Recommended above 50°C

### Electrical

Input Requirements: + 10-60VDC

Output Requirements: +5VDC at 6A air-cooled

10A surge or force-cooled

Output Ripple: Less than 0.2VDC at 10A

Input Power: With Circulated Air:

27W at +85°C 30W at +50°C 36W at -40°C

Output Power: Without Cooling:

21W at +85°C 24W at +50°C 30W at -40°C

Input Protection: Transient, Diode polarity reversal,

Over-current fast blow fuse

Output Protection: Over-current fast blow fuse Efficiency: DC-DC Conversion: 85% Efficient



## **General Description**

The ACS-5135 provides +5VDC @ 6A output with circulate air with a surge maximum of 10A. The output is placed on the pins 3 and 29 of row 'B' of the PC/104 8 bit header, as well as the third pin of each screw clamp connector. The input voltage should be in the range of +10 VDC to +60 VDC. The board is reverse polarity protected and fused for input voltage and over-voltage protected and fused for output voltage.



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