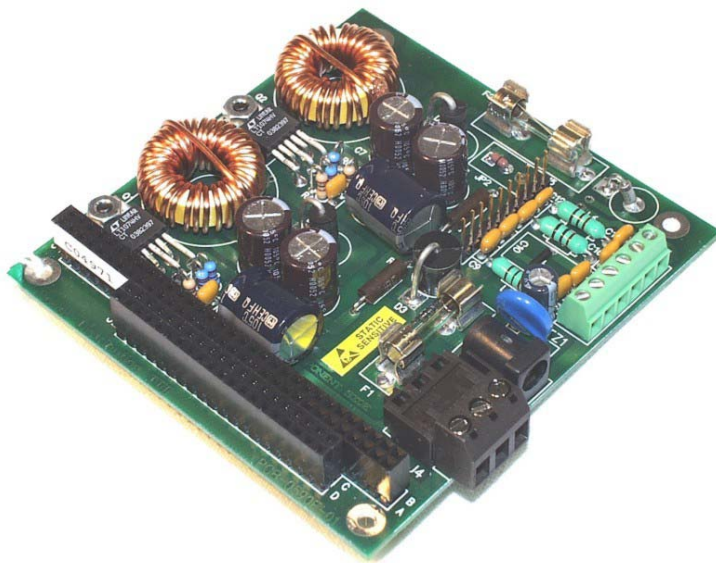


**ACS-5135 PSU 30W**
**DATA SHEET**
**Features**
**Environmental**

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.