

BAC170 OEM Power Supply for Sol™



The BAC170 is a compact board level power supply optimized for operating the BTC261E NIR TE Cooled InGaAs array spectrometer. It provides OEM system integrators a power supply operating from a 5 V input with minimal space requirements. A 30 cm long ribbon cable is supplied with the BAC170 facilitating the connection between the power supply and the spectrometer. The user supplies 5 V via a PCB terminal block that will accept conductors from 26 AWG to 16 AWG.

Highlights:

- Compact
- OEM Building Block

Input Specifications

Parameter	Min	Typical	Max	Unit
Input Voltage*	4.75	5.0	5.25	V DC
Current (25°C)		2.5	4.0	A DC
Power Efficiency	0.5	0.7	0.9	0.0 - 1.0
Inrush Current		10	20	A DC
Ripple (0-1 kHz @ 10 kHz bandwidth)		30	100	mV rms

*Over voltage protection built-in

Environmental Specifications

Parameter	Ratings
Temperature	0°C - 45°C
Humidity	20-90% RH
Storage Temperature and Humidity	-20°C to +85°C @ 10-95% RH
Warm-up Time	< 10 minutes

Dimensions

PCB and Components	(W) 96 mm x (D) 76 mm x (H) 25 mm (3.78 in x 2.99 in x 0.98 in)
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