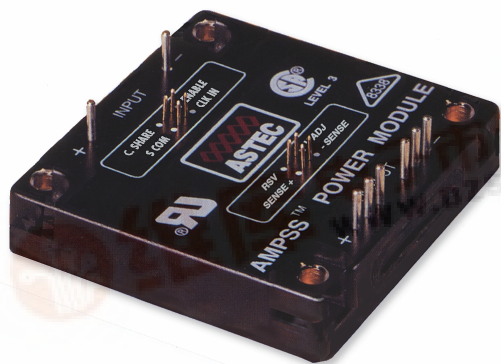


50 Watts AK60A

Total Power: 50 Watts
Input Voltages: 24V
No. of Outputs: Single



Electrical Specs

Input

Input Range 18 to 36 VDC
Efficiency 83% typical (5V @ 10A);
87% typical (12V @ 4.2A)

Output

Load Regulation 0.2% typical
Line Regulation 0.2% typical
Noise/Ripple 150 mV typical (output below 5V)
3% typical (output 5V and over)
Up to 0.5V
Remote sense
Output Voltage
Adjust Range $\pm 10\%$ of nominal output
Transient Response 10% maximum deviation with 500 μ s
(25-75% full load) recovery
Overvoltage Protection 130% nominal Vo
160% nominal Vo (2.2V output)
140% nominal Vo (3.3V output)
Current Limit 115% Io maximum

Control

Voltage Adjust 90 to 110% Vo
Enable TTL compatible (low to enable)

Special Features

- High efficiency - up to 87%
- 500 KHz Fixed frequency
- 100°C Baseplate operating temperature (no derating)
- Low output ripple and noise
- Excellent transient response
- High reliability - over 1 million hours MTBF
- Wide input voltage range
- TTL compatible enable control
- Adjustable output voltage
- Overtemperature and short circuit protection

Environmental

Operating temperature (baseplate):
-40°C to +100°C
Storage temperature: -55°C to +105°C
Overtemperature protection: 110°C typical
MTBF: > 1 million hours (50°C baseplate)

Safety

UL UL 1950 E182206
CSA CSA22.2-234 LR53982C
CSA22.2-950
VDE IEC950 20396-3336-1013*
EN 60950*
CE CEMark (LVD)*

找PDF On selected models

AMERICAS

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Carlsbad, CA 92008
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Facsimile: 760-930-0698

EUROPE

Astec House, Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX, UK
Telephone: 44 (1384) 842-211
Facsimile: 44 (1384) 843-355

ASIA

Units 2111-2116, Level 21
Tower 1, Metroplaza
223, Hing Fong Road
Fwai Fong, New Territories
Hong Kong
Telephone: 852-2437-9662
Facsimile: 852-2402-4426

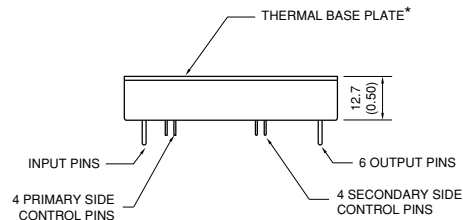


AK60A

Ordering Information

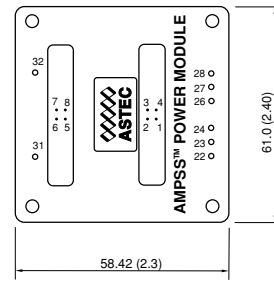
Input Voltage	Output Voltage	Output Current	Model Number
24V	2.2V	10A	AK60A-024L-022F10G
24V	3.3V	10A	AK60A-024L-033F10G
24V	5V	10A	AK60A-024L-050F10G
24V	12V	4.2A	AK60A-024L-120F04G
24V	15V	3.3A	AK60A-024L-150F03G
24V	24V	2A	AK60A-024L-240F02G

Please contact Astec for information on other output voltages, power ranges and configurations.



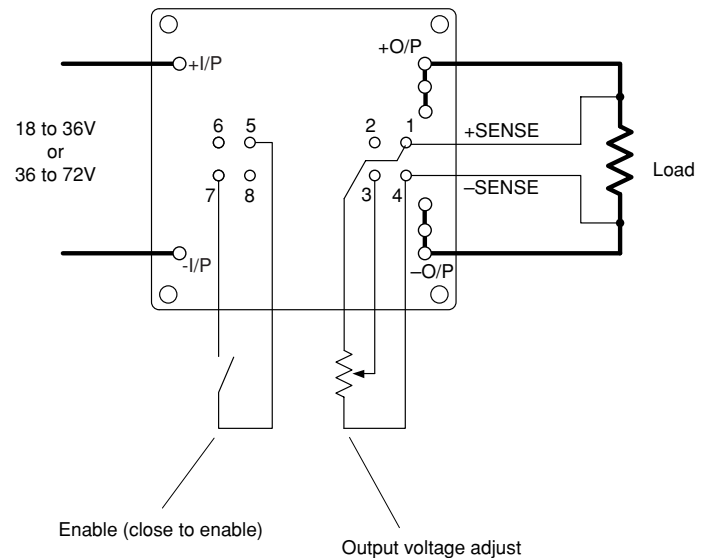
Pin Assignments

Input	Output	Control Pins
31. +ve	22. +ve	1. +SENSE
32. -ve	23. +ve	2. RSV
	24. +ve	3. V ADJ
	26. -ve	4. -SENSE
	27. -ve	5. S COM
	28. -ve	6. C. SHARE
		7. ENABLE
		8. CLK IN



Notes:

1. Nominal values apply with sense pins connected and other control pins unconnected.
2. Specifications subject to change without notice.
3. Warranty: 1 yr



Astec Integrated Power