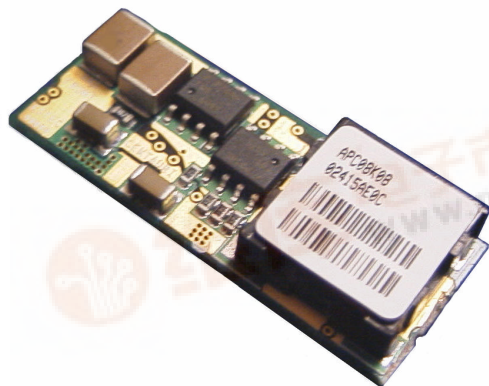


30 Watts

[查询APC08Y08供应商](#)
[维库电子市场网, 24小时加急出货](#)

APC08 (8 Amp)



Special Features

- Point of load (POL) applications
- High efficiency, 3.3V@93%
- -40°C to +85°C Ambient operating temperature
- Open Frame SMT
- Positive enable function
- Low output ripple and noise
- Regulation to zero load
- Adjustable Output through external resistor programming
- Fixed frequency switching (400 kHz)

Environmental

Operating temperature

-40°C to +85°C

Storage temperature: -55°C to +125°C

Demonstrated MTBF: > 2.3 Million Hours

Safety

UL, cUL 60950 Recognized

TUV EN60950 Licensed

Electrical Specs

Input

Input range
Input Surge

1.8-6.0VDC and 5.0-13.0VDC

08 Device: 14V

03 Device: 7V

Efficiency

93% @ 3.3V

Control

Enable

TTL compatible
(positive enable option)

Output

Regulation
(Line, Load, Temp)

<3%

Ripple and noise

100mV (5V and 6V)
75mV (2.5V and 3.3V)
50mV (below 2.5V)

Output voltage
adjust range

08 Device: 0.9V to 6.2V
03 Device: 0.9V to 3.6V

Transient Response

5% max deviation with
50% to 75% full load
500 μ S (max) recovery

Specifications subject to change without notice.

AMERICAS

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EUROPE

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ASIA

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Tower1, Metroplaza
223, Hing Fong Road
Fwai Fong, New Territories
Hong Kong
Telephone: 852-2437-9662
Facsimile: 852-2402-4426



APC08

Ordering Information

| Input Voltage | Output Voltage | Efficiency Full Load | Model Number |
|---------------|----------------|----------------------|-------------------------|
| 1.8V-6.0V | 0.9V @ 8A | 76% (Typ)* | APC08J03 |
| 1.8V-6.0V | 1.2V @ 8A | 81% (Typ) | APC08K03 |
| 1.8V-6.0V | 1.5V @ 8A | 86% (Typ) | APC08M03 |
| 2.2V-6.0V | 1.8V @ 8A | 88% (Typ) | APC08Y03 |
| 3.0V-6.0V | 2.5V @ 8A | 91% (Typ) | APC08G03 |
| 4.0V-6.0V | 3.3V @ 8A | 93% (Typ) | APC08F03 |
| 5.0V-13.0V | 0.9V @ 8A | 75% (Typ) | APC08J08 |
| 5.0V-13.0V | 1.2V @ 8A | 81% (Typ) | APC08K08 |
| 5.0V-13.0V | 1.5V @ 8A | 84% (Typ) | APC08M08 |
| 5.0V-13.0V | 1.8V @ 8A | 86% (Typ) | APC08Y08 |
| 5.0V-13.0V | 2.5V @ 8A | 90% (Typ) | APC08G08 |
| 5.0V-13.0V | 3.3V @ 8A | 92% (Typ) | APC08F08 |
| 7.5V-13.0V | 5.0V @ 5A | 94% (Typ) | APC05A08 ^{New} |
| 8.5V-13.0V | 6.0V @ 4A | 95% (Typ) | APC04S08 ^{New} |

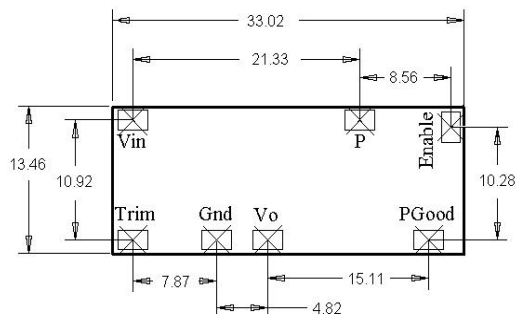
* Typical Efficiency is measured at full load, mid range input and at $T_A=25^{\circ}\text{C}$

Options: suffix “-9” = Output Trim option

suffix “-9MA” = Output Trim with Ishare and PGood options

suffix “-J” = Jedec Style Tray Packaging (Default packaging is T&R with no “-J” suffix required)

Mechanical Dimensions



Pin Side Down [dimensions in mm]

Optional Pins:

PGood - Power Good Logic Signal

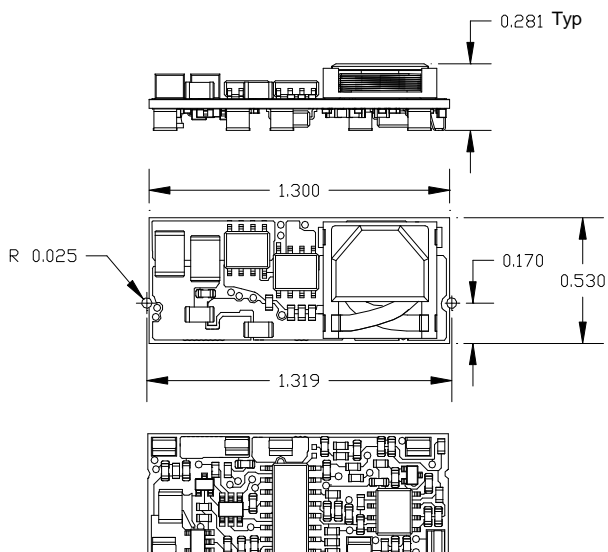
P - Active Current Share Pin

Trim - Trim Pin

Tolerances:

x.xx +/- 0.02 in (x.x +/- 0.5mm)

x.xxx +/- 0.010 in (x.xx +/- 0.25mm)



Astec Industry Standard

Note:

- Specifications given are typical values at nominal conditions.
- The Technical Reference Notes should be consulted for detailed information.
- Specifications subject to change without notice. Mechanical drawings are for reference only