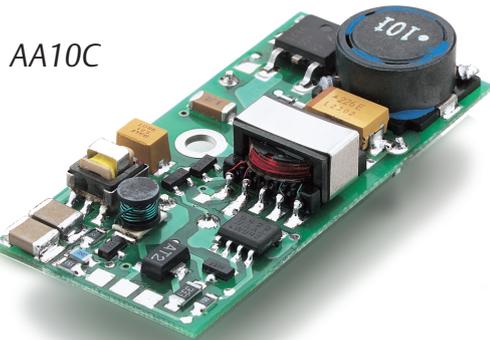


10/15 Watts

AA10C/AA15C

Total Power: 10/15 Watts
Input Voltages: 48V
No. of Outputs: Single



AA10C



AA15C

Special Features

- 10/15 W, Single Output
- Unencapsulated package
- 1.0" x 2.0" x 0.38 case
- Unencapsulated package
- Trim and enable functions

Electrical Specs

Input

Input range	36 to 75VDC
Input capacitance	1.4 μ F typ
No load input power	750mW max
Input reflected ripple (P-P)	10mA max
Efficiency	83% typical (5V)

Output

Voltage tolerance	$\pm 1.0\%$
Line regulation	$\pm 0.1\%$ max
Load regulation	$\pm 0.2\%$ max
Noise/ripple	100mV P-P (see note 1 & 2)
Short circuit protection	Continuous Power Cycle
Overvoltage protection	Active Disable (125% of nom)
Transient response	500 μ S max (25% step load change to within 1%Vo)
Temperature Coefficient	$\pm 0.02/^\circ\text{C}$
Switching frequency	450kHz

Environmental

Operating ambient temperature range:
 -40°C to 60°C (full load, no derating)
 Baseplate: N/A
 Storage temperature: -55°C to +125°C
 Humidity: 5% to 95% (non-condensing)
 MTBF: 1.0 Mil hours.

Safety

UL	UL1950 Recognition
CSA	CSA22.2-950 Recognition
TUV	EN60950 Recognition

Isolation

I/O isolation	1500 VDC
Isolation resistance	1 x 10 ⁹ (Ohms)
Isolation capacitance	220pF

Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
36-75V	5.0V @ 2.0A	84%	AA10C-048L-050S
36-75V	3.3V @ 3.0A	80%	AA15C-048L-033S
36-75V	5.0V @ 3.0A	84%	AA15C-048L-050S
36-75V	12V @ 1.3A	88%	AA15C-048L-120S

NOTES:
 Enable Function
 "1" = negative logic enable (std, without "1 or 4" = no enable)
 "4" = positive logic enable (std, without "1 or 4" = no enable)
 Trim Feature
 "9" = Trim option

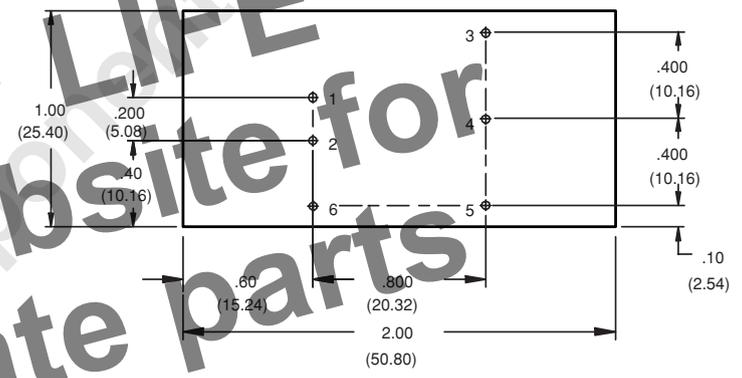
Pin Assignments

Single Output

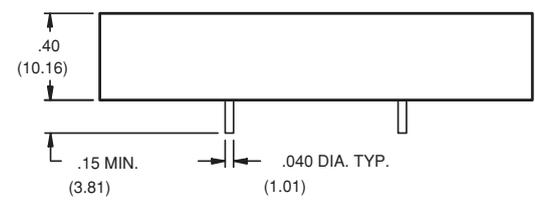
- +Vin
- Vin
- Output 1
- Trim (-9 option)
- Comm
- Enable (-1, -4 option)

Notes:

- 20 MHz bandwidth. An external 0.1 uf ceramic capacitor is recommended to be placed from +V out to comm.
- Meets EN55022 Class A (-150S/D require 2.2uf input capacitor). Consult factory for filter recommendations to meet FCC class B, VDE or EIC specifications.
- All specifications are typical at nominal line, full load, and 25°C unless otherwise noted.
- All specifications subject to change without notice.
- Mechanical drawings are for reference only.
- Calculated per MIL HDBK 217F, Ground benign at 25°C, full load. BELLCORE calculated per TR-NWT-000332 method 1 parts count, Case 1.
- Warranty: 1 yr



BOTTOM VIEW
 ALL DIMENSIONS ARE IN INCHES (mm)



Case Material: N/A
 Weight: 1.4 oz/40 grams