



**THE DATASHEET OF  
AV60C-048L-033F15**



# 50-150 Watts AV60C

**Total Power:** 50-150 Watts  
**Input Voltages:** 48V  
**No. of Outputs:** Single



## Electrical Specs

### Input

Input range 36-75 VDC  
 Input Surge 100V / 100ms  
 Efficiency 83%@5V

### Output

Load regulation 0.2% max  
 Line regulation 0.5% max  
 Ripple and noise 150mV max (5V)  
 250mV max (15V)  
 Output voltage adjust range ±10% of nominal output  
 Transient Response (15V) 1% max deviation with  
 50% to 75% full load  
 200 μS (max) recovery  
 (5V) 5% max deviation with  
 50% to 75% full load  
 250 μS (max) recovery

### Control

Voltage Adjust Enable 90 to 110%  
 TTL compatible  
 (positive & negative enable options)

## Special Features

- Industry standard pin-out & performance 100°C baseplate temperature (no derating)
- Positive and negative enable function
- Low output ripple and noise
- Remote sense compensation
- Fixed frequency switching (300 kHz)

## Environmental

Operating case temperature range:  
 -40°C to +100°C  
 Storage temperature: -55°C to +125°C  
 MTBF: >2 million hours

## Safety

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

**AMERICAS**

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**EUROPE**

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**ASIA**

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AV60C

**Ordering Information**

Input Voltage	Output Voltage	Efficiency	Model Number
36-72V	3.3V @ 10A	81%	AV60C-048L-033F10
36-72V	5.0V @ 10A	84%	AV60C-048L-050F10
36-72V	12V @ 4.0A	85%	AV60C-048L-120F04
36-72V	15V @ 3.33A	86%	AV60C-048L-150F03
36-72V	3.3V @ 15A	81%	AV60C-048L-033F15
36-72V	5.0V @ 15A	85%	AV60C-048L-050F15
36-72V	12V @ 6.0A	86%	AV60C-048L-120F06
36-72V	15V @ 5.0A	87%	AV60C-048L-150F05
36-72V	3.3V @ 20A	81%	AV60C-048L-033F20
36-72V	5.0V @ 20A	85%	AV60C-048L-050F20
36-72V	12V @ 8.0A	87%	AV60C-048L-120F08
36-72V	15V @ 6.7A	87%	AV60C-048L-150F06
36-72V	3.3V @ 30A	81%	AV60C-048L-033F30
36-72V	5.0V @ 30A	85%	AV60C-048L-050F30
36-72V	12V @ 12.5A	87%	AV60C-048L-120F12
36-72V	15V @ 10.0A	87%	AV60C-048L-150F10

**NOTES:**

**Enable Function**

"N" = negative logic enable (without "N" = positive enable)

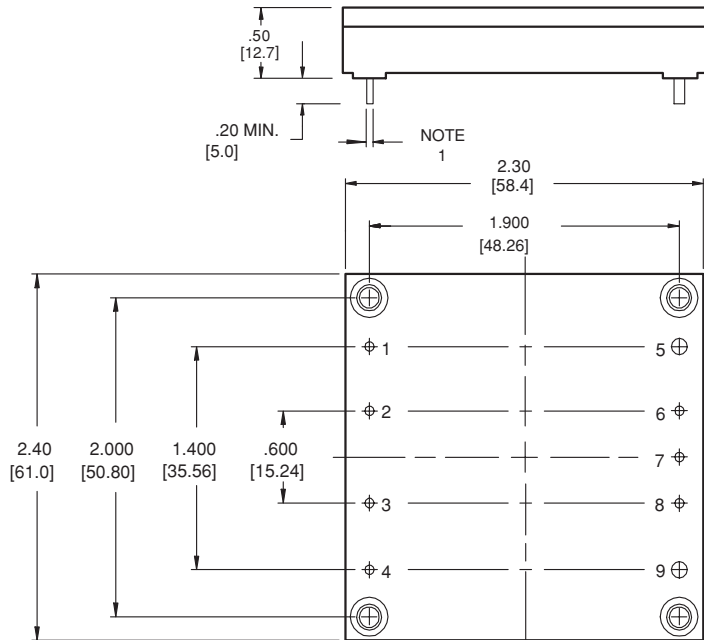
**Pin Assignments**

**Single Output**

1. -Vin
2. Case
3. Enable (on/off)
4. +Vin
5. -5V Rtn
6. - Sense
7. Trim
8. + Sense
9. +5V Out

**Notes:**

1. All specifications are typical at nominal line, full load, and 25°C unless otherwise noted.
2. All specifications subject to change without notice. Mechanical drawings are for reference only.
3. Please refer to the Technical Reference Notes for more information.
4. Warranty: 1 yr



Mounting Inserts  
 M3 X .5 (4 places)




BOTTOM VIEW

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View AV60C-048L-033F15 on WIN SOURCE](#)
-  [Artesyn Embedded Technologies Information](#)

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
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-  Excess Inventory Management