

INPUT SPECIFICATIONS:

| | |
|--|-------------|
| Input Voltage Range..... | See Table |
| Input Surge Voltage(100ms max.) .. 24V..... | 50Vdc max. |
| 48V..... | 100Vdc max. |
| Under Voltage lockout: . 24Vin power up..... | 8,8V typ. |
| 24Vin power down..... | 8,0V typ. |
| 48Vin power up..... | 17V typ. |
| 48Vin power down..... | 16V typ. |
| Input Filter | Pi Type |
| Positive Logic Remote ON/OFF (Note 4&5) | |

OUTPUT SPECIFICATION:

| | |
|--|------------------------------|
| Voltage Accuracy (Note 7)..... | ±1,5%max. |
| Transient Response: 25% Step Load Change | <500µ sec. |
| External Trim Adj. Range | ±10% |
| Ripple and Noise, 20 MHz BW (Note 3) | |
| 3,3V & 5V | 40mV RMS / 100mV pk-pk max. |
| 12V & 15V | 60mV RMS / 150mV pk-pk max. |
| 24V | 100mV RMS / 240mV pk-pk max. |
| 28V | 100mV RMS / 280mV pk-pk max. |
| 48V | 200mV RMS / 480mV pk-pk max. |
| Temperature Coefficient..... | ±0,03%/°C |
| Short Circuit Protection..... | Continuous |
| Line Regulation (Note 1)..... | ±0,2% max. |
| Load Regulation (Note 2) | ±0,2% max. |
| Over Voltage Protection trip Range, % Vo nom | 115-140% |
| Current Limit..... | 110-140% Nominal Output |
| Start-up Time | 25ms typ. |

All Specifications Typical at Nominal Line, Full Load and 25°C.

GENERAL SPECIFICATIONS:

| | |
|---|---------------------------------|
| Efficiency..... | See Table |
| Isolation Voltage..... | Input/Output..... 1500 VDC min. |
| | Input/Case..... 1500 VDC min. |
| | Output/Case..... 1500 VDC min. |
| Isolation Resistance | 10 ⁷ Ohm min. |
| Isolation Capacitance | 1000pF typ. |
| Switching Frequency | 250KHz typ. |
| Operating Case Temperature Range..... | -40°C to +100°C |
| Storage Temperature Range | -55°C to +105°C |
| Thermal Shutdown, Case Temp. | 110°C typ. |
| Humidity | 95% RH max. Non condensing |
| MTBF (MIL-STD-217F,GB,25°C,Full Load) | 400Khrs typ. |
| Dimensions | 2,28 x 2,40 x 0,52 inches |
| | (57,9 x 61,0 x 13,2 mm) |
| Weight..... | 112 g |

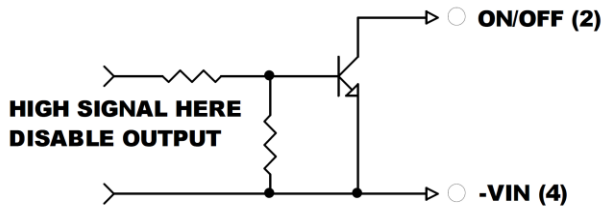
MATERIAL:

Case MaterialAluminum Base Plate with Plastic Case

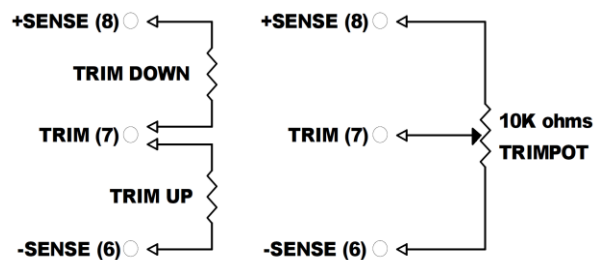
NOTE:

1. Measured from high line to low line.
2. Measured from full load to zero load.
3. Output ripple and noise measured with 10uF tantalum and 1uF ceramic capacitor across output.
4. Logic compatibility open collector ref to -input
Module on >3.5VDC or open circuit
Module off <1.8VDC
6. Suffix "-C" to the model number with clear mounting insert. (3.2mm DIA.)
7. Require a 47uF aluminum capacitor connected between +Vout and - Vout for 48Vout models.

Remote On/Off Control

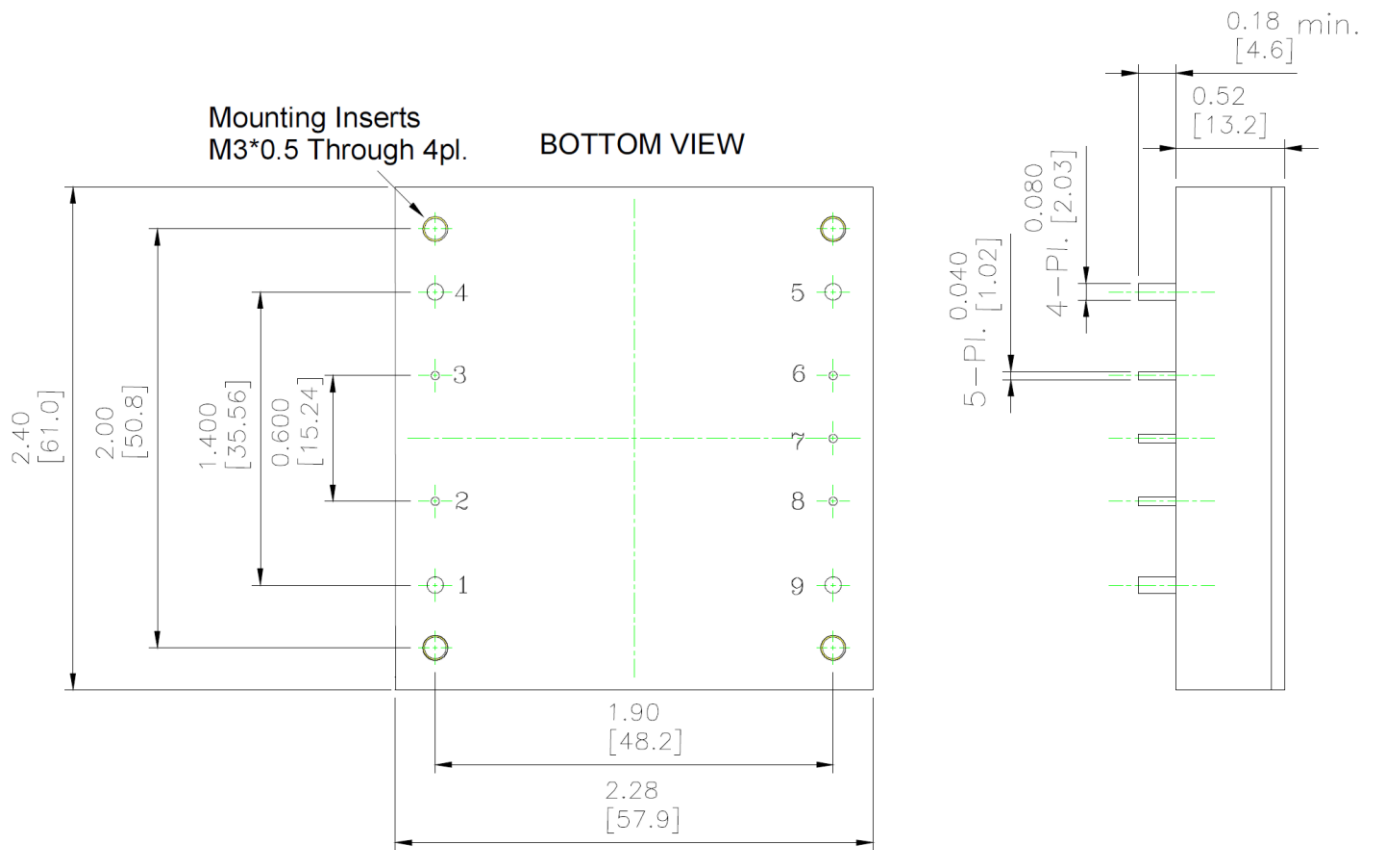


External Output Trim

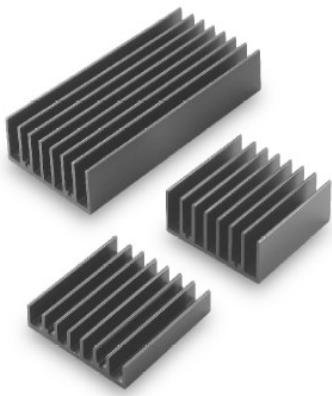


All Dimensions in Inches (mm)

Tolerance Inches x.xx = ±0.02 x.xxx = ±0.010
 Millimeters x.x = ±0.5 x.xx = ±0.25



| PIN CONNECTION | |
|----------------|---------------|
| Pin | Function |
| 1 | +V Input |
| 2 | Remote ON/OFF |
| 3 | Case |
| 4 | -V Input |
| 5 | -V Output |
| 6 | -Sense |
| 7 | Trim |
| 8 | +Sense |
| 9 | +V Output |



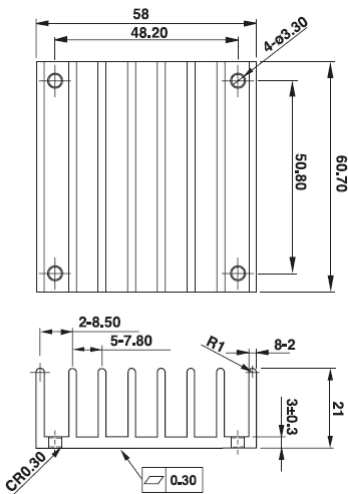
CASE H: HEAT SINK

Vertical Fins
Order No. 17.079.201
Model No. M-C308

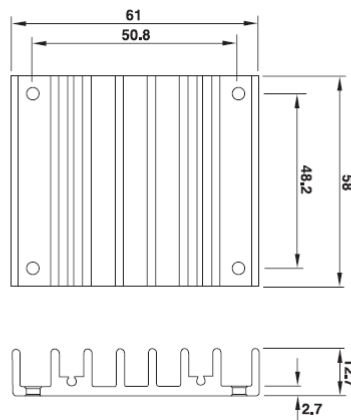
Vertical Fins
Order No. 17.079.202
Model No. M-C091

Vertical Fins
Order No. 17.079.203
Model No. M-C092

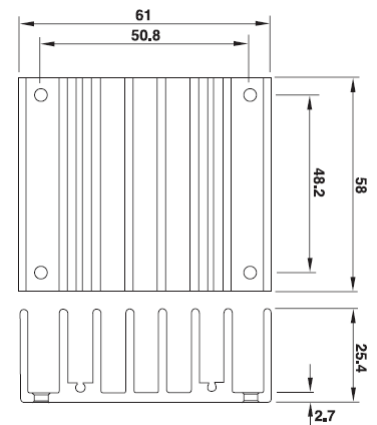
all dimensions in mm



Rca: 3,9°C/W (typ.), At natural convection
1,74°C/W (typ.), At 100LFM
1,33°C/W (typ.), At 200LFM
1,12°C/W (typ.), At 300LFM
0,97°C/W (typ.), At 400LFM

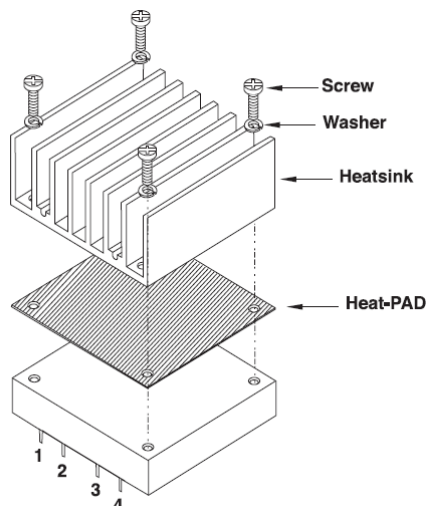


Rca: 4,7°C/W (typ.), At natural convection
2,89°C/W (typ.), At 100LFM
2,30°C/W (typ.), At 200LFM
1,88°C/W (typ.), At 300LFM
1,59°C/W (typ.), At 400LFM



Rca: 3°C/W (typ.), At natural convection
1,44°C/W (typ.), At 100LFM
1,17°C/W (typ.), At 200LFM
1,04°C/W (typ.), At 300LFM
0,95°C/W (typ.), At 400LFM

Heat Sink Assembly
example



Screw

Washer

Heatsink

Heat-PAD

Screw SMP+SW M3x8L

Thermal pad SZ56,9x60x0,25