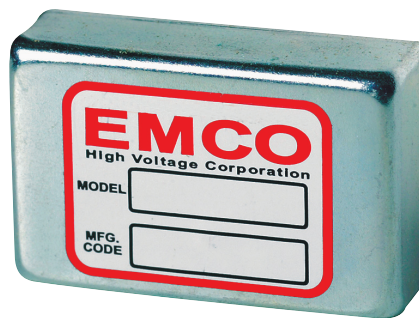


CA Series

1 WATT SINGLE OUTPUT DC/DC INDUSTRIAL

Features

- Very low ripple, 2mV p-p
- Precision regulated
- Miniature shielded case
- 0-100% programmable
- High stability <25ppm/°C
- Wide input voltage range
- Overload and short circuit protected
- Very low EMI/RFI
- Optional chassi mount kit
- External gain adjust



Specifications

INPUT

| | |
|---------------------|---------------------------------|
| Voltage | 11.5 to 15.5VDC. |
| Current | <80mA no load/<220mA full load. |
| Programming voltage | 0-5V, <150mA. |
| Voltage monitor | 0-5V = 0-100% output. |

OUTPUT

| | |
|-------------------------|-----------------------|
| Po3wer | 1W. |
| Reference output | 5.0V ±1%, up to 1mA. |
| Stability | <0.005%/hr. |
| Linearity | <0.5% (15-100% Vout). |
| Temperature coefficient | <25ppm/°C. |

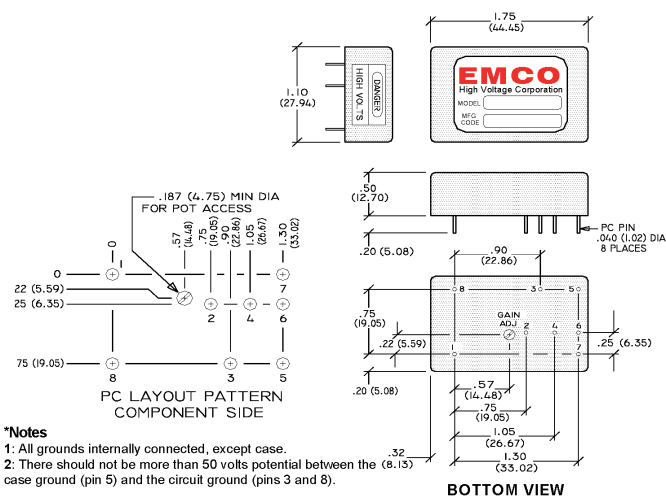
ENVIRONMENTAL

| | |
|-----------------------|-----------------|
| Operating temperature | -10°C to +50°C. |
| Storage temperature | -25°C to +95°C. |

GENERAL

| | |
|---------------|---------------------------|
| Dimensions | 44.45 x 27.94 x 12.70 mm. |
| Weight | 40g. |
| Packaging | Epoxy encapsulated. |
| Case material | Zinc plated steel. |

Technical Illustration



Selection Tables

| MODEL NUMBER | OUTPUT VOLTAGE | OUTPUT CURRENT | REGULATION LINE | RIPPLE LOAD | FULL LOAD, P-P |
|--------------|----------------|----------------|-----------------|-------------|----------------|
| CA02P | 0 to +200V | 0 to 5mA | <0.01% | <0.01% | <0.01% |
| CA02N | 0 to -200V | 0 to 5mA | <0.01% | <0.01% | <0.01% |
| CA05P | 0 to +500V | 0 to 2mA | <0.01% | <0.01% | <0.01% |
| CA05N | 0 to -500V | 0 to 2mA | <0.01% | <0.01% | <0.01% |
| CA10P | 0 to +1000V | 0 to 1mA | <0.001% | <0.005% | <0.0005% |
| CA10N | 0 to -1000V | 0 to 1mA | <0.001% | <0.005% | <0.0005% |
| CA12P | 0 to +1250V | 0 to .8mA | <0.001% | <0.005% | <0.0005% |
| CA12N | 0 to -1250V | 0 to .8mA | <0.001% | <0.005% | <0.0005% |
| CA20P | 0 to +2000V | 0 to .5mA | <0.01% | <0.01% | <0.0005% |
| CA20N | 0 to -2000V | 0 to .5mA | <0.01% | <0.01% | <0.0005% |

| PIN# | FUNCTION |
|------|---------------------------|
| 1 | Output voltage |
| 2 | Programming: 0 to +5V |
| 3 | Ground |
| 4 | Voltage reference +5V |
| 5 | Case ground |
| 6 | +Input: 11.5 to 15.5V |
| 7 | Voltage monitor: 0 to +5V |
| 8 | Output return |