

ADAM-3112

ADAM-3114

Isolated AC Voltage Input Module

Isolated AC Current Input Module



ADAM-3112



Specifications

Voltage Input

| Full Range Mode | | 400 V | 250 V | 120 V |
|-----------------|------------------------|---------|---------|---------|
| Input Voltage | AC (V _{RMS}) | 0 ~ 400 | 0 ~ 250 | 0 ~ 120 |
| | DC (V) | 0 ~ 400 | 0 ~ 250 | 0 ~ 120 |
| Input Impedance | | 48 k | 30 k | 14.4 k |

Voltage Output

- Output Signal 0 ~ 5 V_{DC}
- Accuracy < ±1.0 % for full range
- Output Impedance < 10 Ω @ operating frequency < 60 Hz
- Load > 10 k Ω
- Ripple < 120 mVp-p
- Temperature Coefficient 400 ppm/°C
- Input Bandwidth 6 kHz

Power Consumption

- Supply Voltage 24 V_{DC} ± 10%
- Current Consumption 40 mA

General

- Isolation Protection 1,000 V_{DC} (output to power)
2,500 V_{RMS} (input to output, input to power)
- Dimensions (W x H x D) 23.2 x 101 x 93.5 mm (0.91" x 3.97" x 3.68")
- Operating Temperature 0 ~ 60 °C (32 ~ 140 °F)
- Storage Temperature -20 ~ 70 °C (-4 ~ 158 °F)
- Storage Humidity 5 ~ 95%

Ordering Information

- ADAM-3112-AE Isolated AC voltage input module



ADAM-3114



Specifications

Current Input

- AC Current Input 0 ~ 5 A_{RMS}
- DC Current Input 0 ~ 5 A

Voltage Output

- Output Signal 0 ~ 5 V_{DC}
- Accuracy < ±1.0 % for full range
- Output Impedance < 10 Ω @ operating frequency < 60 Hz
- Load > 10 k Ω
- Ripple < 120 mVp-p
- Temperature Coefficient 400 ppm/°C
- Input Bandwidth 10 kHz

Power Consumption

- Supply Voltage 24 V_{DC} ± 10%
- Current Consumption 40 mA

General

- Isolation Protection 1,000 V_{DC} (output to power)
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