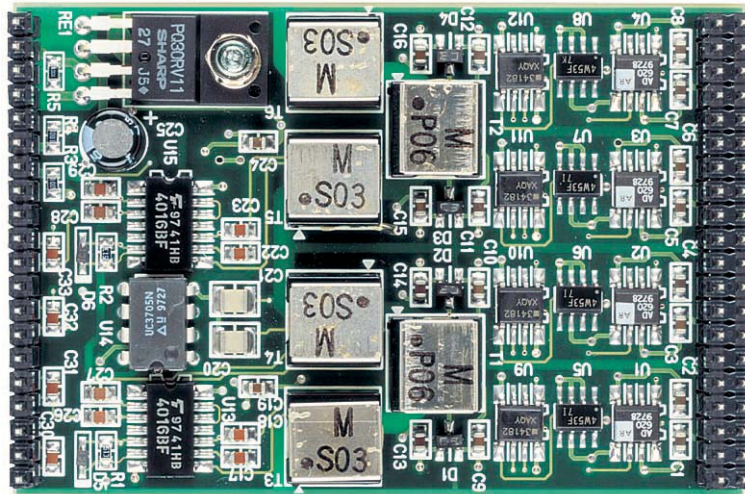


# ASMP3106

## 4-ch Isolation Amplifier for Input



### Features

- Analog input module with 4 isolation amp channels built-in
- Output signal range of  $\pm 5.5V$
- Built-in instrumentation amplifier for differential high-impedance input and high CMR performance Also, gain can be set to any value between 0 and 1000 using an external resistor
- Each input channel, output and 24V power supply are mutually isolated
- Possible to supply an isolated power supply for pre-amplifier (DC8.5V up to 5mA)

### Specifications

No. of channels : 4 channels
Input range : $\pm 5.5V$ or less
Output range : $\pm 5.5V$ or less
Gain : Can be programmed between 1 and 1000 using an external resistor
Linearity : $\pm 0.05\%FS$ or less
Offset voltage : $8+0.2G$ mV or less
Gain drift : $\pm 70ppm/^{\circ}C$ or less
Frequency range : 1kHz (-3dB)
Power requirements : DC24.0V $\pm 10\%$ , Up to 100mA
Dielectric strength
Between input and output: AC1500V (for one minute)
Between input channels: AC500V (for one minute)
Between power supply and output: AC500V (for one minute)
Board size : 80mm (W) x 54mm (H) x 14mm (D)
Weight : 170g
Operating environment
Operating temperature range: 0 to 70 $^{\circ}C$
Operating humidity range: 90% RH or less (non-condensing)



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Note: The following specifications and product appearance are subject to change for enhancement without notice.


**ISO9001**  
 Certification: No.4016-1995-AQ-KOB-RvA

**ISO14001**  
 Certification: No. EMSC-1426

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