

Voltage input type amplifier

| Model | Input Coupling | Frequency | Input Form | Input Impedance | Input Device Type | Equivalent Input Noise Voltage Density (typ.) | Equivalent Input Noise Current Density (typ.) | Gain | Maximum Output Voltage | CMRR | Input Connector | Output Connector | DC Power Input |
|-----------------------|---|---|---|---|-------------------|---|---|--|---|---------------------------------|-----------------|------------------|---------------------|
| SA-200F3 | DC Coupling | DC to 800kHz | Unbalance, Single-ended Input | Switchable 1k/10k/100kΩ | Bipolar | 0.5nV /√Hz (1kHz) | 2.2pA /√Hz (10kHz) | 40dB | ±10V (RL≥1kΩ) 1kHz | – | SMA | SMA | ±15V |
| SA-240F5 | | DC to 20kHz | Unbalance, Single-ended Input | Switchable 1M/100MΩ/open | FET | 1.2nV /√Hz (1kHz) | 5fA /√Hz (100Hz) | 40dB | ±10V (RL≥1kΩ) 1kHz | – | | | |
| SA-410F3 | | DC to 1MHz | Balanced, differential Input (Single-ended if one side of inputs shorted) | Switchable 1k/10k/100kΩ | Bipolar | 0.75nV /√Hz (1kHz) | 4.5pA /√Hz (10kHz) | 40dB | ±10V (RL≥1kΩ) 1kHz | 110dB or more (55Hz) | | | |
| SA-440F5 | | DC to 20MHz | Balanced, differential Input (Single-ended if one side of inputs shorted) | Switchable 1k/10k/100kΩ | FET | 1.8nV /√Hz (1kHz) | 25fA /√Hz (100Hz) | 40dB | ±10V (RL≥1kΩ) 1kHz | 90dB or more (10Hz to 10kHz) | | | |
| 5307 (Stand alone) | | DC to 10MHz | Switchable (Differential/Single-ended(one side grounded)) | Switchable 1MΩ/100MΩ (Via shorting plug inside unit) | – | 4nV /√Hz (1kHz) | – | Switchable ×10 to ×1000 (1,2,5 step) | ±10.4V (RL≥1MΩ) ±5.2V (RL=50Ω) DC to 3MHz | 120dB or more (DC to 1kHz) | BNC | BNC | – |
| SA-220F5 | AC Coupling | 1kHz to 80MHz | Unbalance, Single-ended Input | 1MΩ | FET | 0.5nV /√Hz (10kHz to 1MHz) | 200fA /√Hz (100kHz) | 46dB | 2Vp-p (RL=50Ω) 1kHz to 20MHz | – | SMA | SMA | ±15V |
| SA-230F5 | | 1kHz to 100MHz | Unbalance, Single-ended Input | 50Ω | Bipolar | 0.25nV /√Hz (10kHz to 1MHz) | 5pA /√Hz (100kHz) | 46dB | 1.8Vp-p (RL=50Ω) 1kHz to 20MHz | – | | | |
| SA-250F6 | | 100Hz to 250MHz | Unbalance, Single-ended Input | 50Ω | Bipolar | 0.25nV /√Hz (1MHz) | 5pA /√Hz (1MHz) | 40dB | 2Vp-p 100MHz | – | | | |
| SA-251F6 | | 1kHz to 500MHz | Unbalance, Single-ended Input | 50Ω | Bipolar | 0.25nV /√Hz (1MHz) | 8pA /√Hz (1MHz) | 40dB | 2Vp-p 100MHz | – | | | |
| SA-430F5 | | 1kHz to 100MHz | Balanced, differential Input (Single-ended if one side of inputs shorted) | 50Ω | Bipolar | 0.35nV /√Hz (10kHz to 1MHz) | 7pA /√Hz (100kHz) | 46dB | 2Vp-p (RL=50Ω) 1kHz to 20MHz | 90dB or more (100kHz) | | | |
| SA-420F5 | | 1kHz to 70kHz | Balanced, differential Input (Single-ended if one side of inputs shorted) | 1MΩ | FET | 0.9nV /√Hz (100kHz to 10MHz) | 100fA /√Hz (1kHz) | 46dB | 2Vp-p (RL=50Ω) 1kHz to 20MHz | 55dB or more (1kHz to 10MHz) | | | |
| SA-421F5 | | 30Hz to 30MHz | Balanced, differential Input (Single-ended if one side of inputs shorted) | 1MΩ | FET | 0.5nV /√Hz (100kHz to 10MHz) | 100fA /√Hz (100Hz) | 46dB | 2Vp-p (RL=50Ω) 100Hz to 20MHz | 46dB or more (1kHz to 10MHz) | | | |
| CA5360 | Switchable DC Coupling /AC Coupling | DC to 1MHz (DC Coupling) 0.2Hz to 1MHz (AC Coupling) | Switchable Differential/Single-ended(one side grounded) /Single-ended(floating) | 100MΩ | – | 5nV /√Hz (1kHz) | – | 40dB | ±5V (RL=2kΩ) DC to 500kHz | 100dB or more (DC to 100Hz) | BNC | BNC | ±15V /±20V /±24V |
| LI-75A | | DC to 1MHz (DC Coupling) 0.2Hz to 1MHz (AC Coupling) | Switchable Differential/Single-ended(one side grounded) /Single-ended(floating) | 100MΩ | – | 2nV /√Hz (1kHz) | – | 40dB | ±10V (RL=2kΩ) DC to 200kHz | 120dB or more (DC to 100Hz) | | | ±20V to ±24V |