PD-206-150 is a linear amplifier that outputs 150 V pp. This amplifier is optimum for driving various piezoelectric actuators.
PD-206-150P: 0 to 150 V,
PD-206-150B: ±75V, bipolar
A protection circuit is equipped for protecting from inrush current.
The power supply is built in a compact body, it operates with a low voltage single power supply, and is low noise.

**Absolute maximum ratings**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage (Vdd)</td>
<td>+30 V</td>
</tr>
<tr>
<td>Signal Input Voltage</td>
<td>±15 V</td>
</tr>
</tbody>
</table>

**Ratings**

- **Input voltage range**: 150P: 0 to +10 V, 150B: ±5 V
- **Input impedance**: 10 kΩ (typ.)
- **Output impedance**: 100 Ω
- **Gain**: ×15 ± 3%
- **Maximum output voltage**: 150P: ±150 V, 150B: ±75 V
- **Maximum output current**: 15 mA (continuous), 40 mA (≤ 10 ms)
- **Rise / fall time**: ≤ 1ms (typ.)
- **Frequency characteristic**: DC to 100 Hz
- **Output voltage noise**: ≤ 5 mVrms (BW: 10 kHz)

**Power supply**

- **Operating voltage range**: 24 V±4 V
- **Supply current**: ≤100 mA (with no signal), 300 mA (Vdd:24V, Output:150Vp-p, 3.3Hz square-wave, Load:16μF)

**General**

- **Specified temperature**: 23 ℃ ± 5 ℃
- **Operating environment**: 0 to 50 ℃, 10 % RH to 90 % RH
- **Storage environment**: −10 ℃ to 60 ℃, 10 % RH to 80 % RH
- **Thermal shut down**: Power off at the internal temperature of 70 ℃ ± 5 ℃, recovered automatically.
- **Withstanding voltage**: DC 100 V (Between INPUT_COM, OUTPUT_COM and Vdd_COM)
  - DC 100 V (Between CASE and INPUT_COM, OUTPUT_COM, Vdd_COM)
- **Connector**: 64pin DIN connector(X3A-642), OMRON Corporation
- **Dimensions(mm)**: 120×62×24.6 (not including protrusions)
- **Weight**: Approx. 150 g
- **Accessories**: Instruction manual

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**Characteristics**

**Step Response**

- t1=1H, C1, (C4+G4)=1 μF

**Load (CL=16 μF) - Frequency**

- Output voltage Vo (Vp-p): 5 V or less
- 10 V
- 50 V
- 100 V
- 150 V

**Load (CL=1 μF) - Frequency**

- Output voltage Vo (Vp-p): 5 V or less
- 10 V
- 50 V
- 100 V
- 150 V