osi1700 Series

Maximum output voltage 5 kVp-p; voltage gain ×0–1000



Product Introduction

The OSIMAI osi1700 is a single-channel high-voltage amplifier with differential output. It is compatible with mainstream signal generators and provides a versatile solution for design and testing requirements.

Product Features

- Gain adjustment precision 1–1000, 1 step
- Maximum output voltage 5 kVp-p, ±2.5 kVp
- Output voltage error ≤±1%, DC, 3 kV
- Output voltage zero drift ≤±1 V
- Maximum output current 30 mA
- Input amplitude 0–10 Vp-p
- Bandwidth (−3 dB): DC–10 kHz

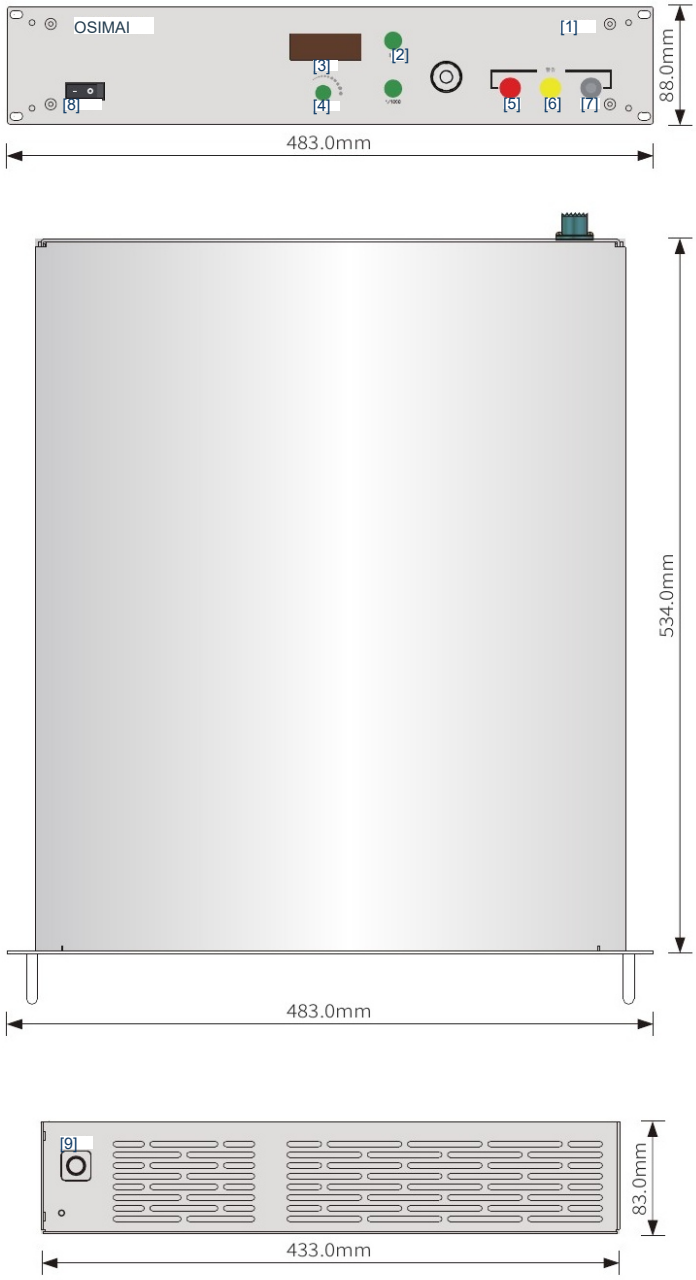
Specifications

Parameter	Description
Channels	1.
Output configuration	Differential output.
Bandwidth (−3 dB)	DC–10 kHz.
Maximum output voltage	5 kVp-p, ±2.5 kVp.
Maximum output current	30 mA.
Maximum output power	75 W.
Voltage gain	×0–1000, 1 step.
Load RL	Upper limit ≥83.3 kΩ.
Output resistance	1 kΩ.
Input amplitude	0–10p-p.
Output voltage error	≤±1%, DC, 3 kV.
Slew rate	>111 V/μs.
Output voltage zero drift	≤1 V.
Fuse	4 A / 250 V.
Output interface	Banana sockets.
Protection	Overcurrent and overtemperature protection.
Signal ground	Connected to chassis and power-cord earth.
Supply voltage	220 VAC ±10%, 50 Hz.
Ambient temperature	Operating: 0 to +45°C. Storage: −20 to +50°C.
Operating humidity	80% RH, non-condensing.
Dimensions	W 483 × H 88 × D 534 mm.
Weight	Approximately 5 kg.

Typical Applications

Semiconductor testing; withstand-voltage testing; particle preparation; pulsed electrostatic fields.

Dimensions



[1] osi1700

[2] Input

[3] Gain

[4] Gain

[5] Output

[6] Input

[7] Ground

[8] Power

[9] HV OUTPUT