▶ Input	
Input configuration	Balanced differential input (2 BNC connectors) A-B (differential input) A, -B, A - Offset, -B + Offset (unbalanced single-ended input) GND (input shorted) Selectable from front panel
Input impedance	$1M\Omega$ ±2% shunted by less than 35pF Capacitance matching between A and B Inputs: ±3pF (100MΩ input impedance is possible by rearranging an internal shorting plug.)
Input bias current	3nA typ. (23°C), doubles every 10°C increase
Maximum allowable	±50V (at ±10.5V, an input protector operates and automatically
input voltage	recovers after approx. 5s if the excessive input is removed.)
Common mode input	±10V (linear operation)
voltage range	,
Common-mode	120 dB or greater (DC to 1kHz)
rejection ratio	(gain: 1000, common mode voltage: ±5V)
Input referred noise	4nV√Hz typ. (1 kHz, input short-circuited, gain: 1000)
DC offset voltage	Adjustable to zero by a screwdriver from the front panel
	(Adjustment range: ±0.5mV min. referred to input)
DC offset stability	±8μV/°C typ. referred to input
	(input short-circuited, gain: 1000)
Input DC offset	DC components up to ±5V (referred to input) can be canceled
cancellation range	using the internal offset function with single-ended input.
Offset cancellation	±0.5V, ±5V
voltage range	Accuracy: ±3% of full scale
	Stability: ±200 ppm/°C
Output	
Output configuration	Unbalanced single-ended output (BNC connector)
Output impedance	50Ω ±2% (f= 1 kHz)
Rated output voltage	±5V (RL = 50Ω +1%, DC to 3MHz)
	$\pm 10V$ (RL $\geq 1M\Omega$, DC to 3MHz)
Maximum output	$\pm 5.2V (RL = 50\Omega \pm 1\%, DC to 3MHz)$
voltage	± 10.4 V (RL ≥ 1 M Ω , DC to 3MHz)
Maximum output current	±100mA
Slew rate	150V/μs typ. (RL = 50Ω, Vo ±5V)
	300V/µS typ. (AL ≥ 11V12, VO ±10V)
Overvoltage	300V/μs typ. (RL ≥ 1MΩ, Vo ±10V) +5V +10%, -0% (f=1kHz, RL = 50Ω +1%)
Overvoltage detection level	$\pm 5V + 10\%$, -0% (f=1kHz, RL = $50\Omega + 1\%$)

Gain	10 to 100 (with 50Ω load) in 1-, 2-, 5 sequence
Gain accuracy	±3% (f=1 kHz, RL ≥ 1MΩ)
Gain stability	±200 ppm/°C (f=1KHz. RL ≥ 1MΩ)
Frequency response	DC to 10MHz +0.2, -3dB (RL = 50Ω , Vo = $\pm 1V$)
Full-power bandwidth	DC to 3MHz min. (RL = 50Ω , Vo = $\pm 5V$)
Distortion	0.02% max. (f=1kHz, RL=50Ω, Vo = ±5V, gain: 10)
Settling time	300ns typ. (output voltage step: $5V$, $\pm 1\%$ error, gain: 10, RL= 50Ω , with band limiting filter off)
Overload reset time	10μs max. [gain: (10 to 100) x 1]
	50µs max. [gain: (10 to 100) x 10]
	This is the time required for the output to reach within
	±1% of the rated output voltage after applying an input
	voltage of +5V or -5V for 10mS.
Propagation delay time	55 ±10ns typ. (band limiting filter off)
	310 ±20ns typ. (1 MHz band limiting filter on)
Band limiting filter	Cut-off frequency: 1 MHz ±10% (-3dB point) Roll-off:
	-18 dB/oct (phase linear)
	On/Off switchable from the front panel
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General Specification	ations
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