

PRODUCT STANDARD

Doc. No.	
Title	SPECIFICATIONS OF ISOLATION AMPLIFIER Model Name: 5A-11

Parameter	Ratings	Remarks
1. Withstand Voltage (AC) rms Input-Output Input-Powersupply Output-Powersupply	1500V/1min. 1000V/conti. 1500V/1min. 1000V/conti. 1500V/1min. 1000V/conti.	
2. Input Input Signal Voltage Gain Setting Range Offset Voltage Input Referred Temp. Drift Gain Setting Drift Impedance Input Bias Current Common-Mode Rejection Ratio Input Breakdown Voltage	0~3.5V 0~40dB $\pm 10\text{mV}(\text{max})$ $50\mu\text{V}/^{\circ}\text{C}(\text{typ.}), 100\mu\text{V}/^{\circ}\text{C}(\text{max.})$ $50\text{ppm}/^{\circ}\text{C}(\text{typ.}), 150\text{ppm}/^{\circ}\text{C}(\text{max.})$ $50\text{M}\Omega$ $30\text{nA}(\text{typ.}), 100\text{nA}(\text{max.}),$ 100dB (min.) $\pm 30\text{V}(\text{max.})$	Gain 0dB 0~+60°C/ave. 0~+60°C/ave. Gain 0dB diffe.
3. Output Output Current Load Resister (max.) Allowable Power Dissipation Non Linearity	22mA (max.) V/I conversion factor 6.25mA/V 520Ω 750mW 0.05%(typ.) 0.1% (max)	20mA Output Gain 0dB
4. Frequency Respons (-3dB)	DC~500Hz	Full Power (20mA)
5. Noise Carrier Spike Voltage Value Spike Half Width	$10\mu\text{A}^{\text{p-p}}(\text{typ.})$ $50\mu\text{A}^{\text{p-p}}(\text{typ.})$ 0.2μ sec.	
6. Modulation Frequency of Modulation	AM Modulation approx. 16KHz	
7. Capacity between I/O terminals	10pF (typ.), 20pF (max)	
8. Embedded Bias Supply	$\pm 6.4\text{V}, \pm 20\text{ppm}$ 0.7mA (max.)	
9. Power Supply Consumption Current 0mA Output 20mA Output	+15V $\pm 5\%$ 35mA 55mA	
10. Temperature Range Specification Operating Strage	0~+60°C -25°C~+85°C -55°C~+125°C	
11. External Dimensions	40x40x16mm	
12. Weight	approx. 50 grum	