

PRODUCT STANDARD

Doc. No.	
Title	SPECIFICATIONS OF ISOLATION AMPLIFIER Model Name: 8A120T2

Parameter	Ratings	Remarks
1. Withstand Voltage (AC) rms Input-Output Input-Powersupply Output-Powersupply	2000V/1min. 1500V/conti. 2000V/1min. 1500V/conti. 2000V/1min. 1500V/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	0~5V 0~40dB ±10mV(max) 5 μV/°C (typ.), 20 μV/°C (max.) 50ppm/°C(typ.),100ppm/°C (max.) 50MΩ 20nA(typ.), 50nA(max.), 110dB (min.) ±50V(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 3.3mA/V 825Ω 750mW 0.02%(typ.) 0.05% (max)	20mA Output Gain 0dB
4. Frequency Respons (-3dB)	DC~1KHz	Full Power (20mA)
5. Noise Carrier Spike Voltage Value Spike Half Width	5 μA ^{P-P} (typ.) 50 μA ^{P-P} (typ.) 0.2 μ sec.	
6. Modulation Frequency of Modulation	AM Modulation approx. 20KHz	
7. Capacity between I/O terminals	10pF (typ.), 20pF (max)	
8. Embedded Bias Supply	±15V, 5mA (max.)	
9. Power Supply Consumption Current 0mA Output 20mA Output	+15V ±5% 55mA 75mA	
10. Temperature Range Specification Operating Storage	0~+60°C -25°C~+85°C -55°C~+125°C	
11. External Dimensions	47x62x16mm	
12. Weight	approx. 100 grum	