

PRODUCT STANDARD

Doc. No.	
Title	SPECIFICATIONS OF ISOLATION AMPLIFIER Model Name: 8Z201T2

Parameter	Ratings	Remarks
1. Withstand Voltage (AC) rms Input-Output Input-Powersupply Output-Powersupply	2000V/1min. 1500V/conti. 2000V/1min. 1500V/conti. 1500V/1min. 1000V/conti.	
2. Input Input Signal Voltage (max.) Gain Setting Range Offset Voltage Input Referred Temp. Drift Gain Setting Drift Impedance Input Bias Current Common-Mode Rejection Ratio Input Breakdown Voltage	$\pm 10V$ 0~40dB $\pm 10mV(max)$ $5 \mu V/^{\circ}C (typ.), 20 \mu V/^{\circ}C (max.)$ 50ppm/ $^{\circ}C(typ.), 100ppm/^{\circ}C (max.)$ 10M $\Omega // 5pF(typ.)$ 500M $\Omega // 5pF(typ.)$ 10nA(typ.), 50nA(max.), 120dB (min.) $\pm 30V(min)$	A1 Gain 0dB 10~50k Ω pot 0~60 $^{\circ}C/ave.$ 0~60 $^{\circ}C/ave.$ A1 Gain 0dB diffe. A1 Gain 0dB comm. A1 Gain 0dB A1 Gain 0dB 50Hz
3. Output Gain Setting Range Temp.-Drift (0~60 $^{\circ}C$) 10~50k Ω pot. Non Linearity (F.S) Output Impedance Voltage & Current	20dB $30 \mu V/^{\circ}C(typ.)$ $100 \mu V/^{\circ}C(max.)$ 0.02%(max) 0.05%(max) $\pm 10mA(max)$ 5 $\Omega (max)$ $\pm 10V 20mA$	A1, A1(common) Gain 0dB -5~+10V vs. 10VF.S -10~+10V vs. 10VF.S A1, A1(common) Gain 0dB
4. Frequency Response	DC~1KHz(typ.)	Full Power ($\pm 10V$) -3dB
5. Noise Carrier Spike Voltage Value Spike Half Width	50mV (typ.) 100mV (typ.) 0.05 μ sec. (typ.)	
6. Modulation Method Modulation Frequency	AM Modulation 13KHz	
7. Capacity between I/O terminals	10pF (typ.), 20pF (max)	
8. Power Supply Voltage Current	+15V $\pm 10\%$ 60mA (max)	
9. Temperature Rating Temperature Range Operating Temperature Range Storage Temperature Range	0~+60 $^{\circ}C$ -25 $^{\circ}C$ ~+85 $^{\circ}C$ -55 $^{\circ}C$ ~+125 $^{\circ}C$	
10. External Dimensions	47x62x16mm	
11. Weight	about 100 grum	
12. Socket	AMS801	