

4-20mA Signal Isolated Regulator SIP12

Features:

- >>No need external power supply,two wires output
- >>Output wide range voltage: 8-32V
- >>3KVDC Isolation (input-output)
- >>Input: 0-20mA,4-20mA Output:0-20mA,4-20mA
- >>High Accuracy (Distortion<0.2%)
- >>High Linearity (Non-linearity<0.2%)
- >>Frequency Response (small signal bandwidth) :50HZ (I_o=20mA)
- >>Low Impedance (<2V)
- >>International Standard SIP 12 package
- >>Weld to PCB directly
- >>Temperature Range: -40°C~+85°C



Application:

- >>PLC, the DCS field analog signal isolation,
- >>Signal long distance transmission without distortion
- >>Instrument signal receiving and control instrument
- >>4-20mA signal industrial site isolation and transmission
- >>Monitoring, medical equipment isolation security gate
- >>Ground circulation isolation and interference suppression
- >>Analog signal isolation, data collection and transformation

Products listing:

Type No.	Input	Power Supply	Output	Package
IAP100LP	4-20mA	No	4-20mA	SIP12

Description:

WAYJUN IAP100LP is a two-wire 4-20mA output signal isolated conditioning module,which contains the current signal modulation and demodulation circuit,signal coupling isolation circuit etc..Input voltage signal that the module collected reaches ultra wide range(8-32V) by small input equivalent resistance,to meet the needs of long-distance signal transmission no distortion without external auxiliary power supply.This signal conditioner output is designed for 24VDC and sampling resistor(or load resistance) in series with two-wire power supply circuit, matches to the current popular analog input interface board(PC),PLC,DCS or other instrumentations input port. The internal ceramic PCB, printed impedance and new isolation technologies allow the IC for the 3KVAC insulated voltage and meets the industrial level for the extremely poor temperature,humidity and shaking conditions.

WAYJUN IAP100LP is easy to use,only connects a 50Kohm to ADJ.

Maximum Ratings:

- Continuous Isolation Voltage: 3000VDC
- Max. Input Voltage: 36VDC
- Working Temperature: +85°C
- Storage Temperature: +150°C
- Lead Temperature: +300°C
- Output Short time:Continuous

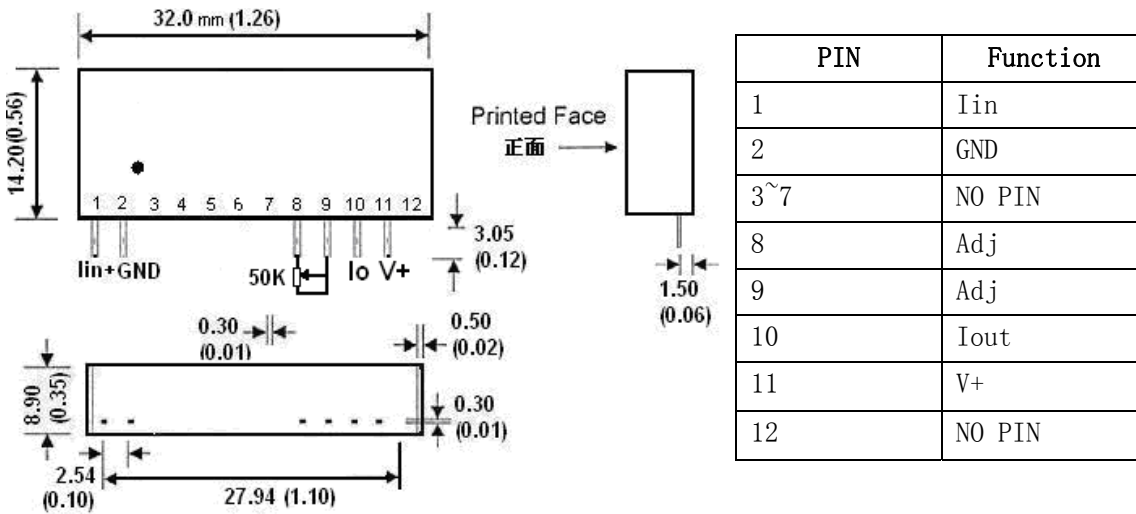
Note:It may cause permanent damage if input value is over above range.

General Parameters:

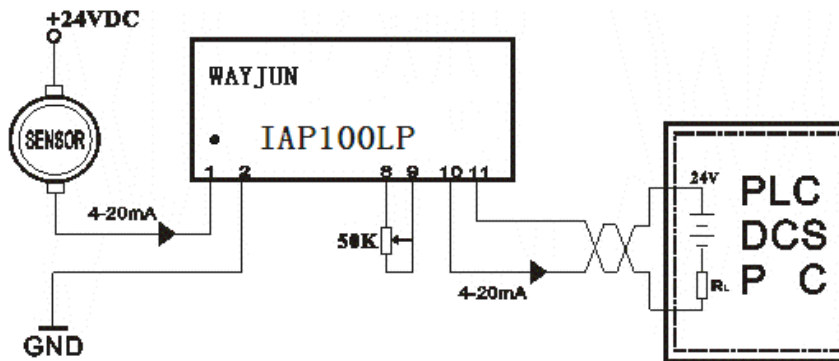
Parameters	Condition	Min.	Type.	Max.	Units
Isolation Voltage AC, 50Hz	10S	3000			VDC
Insulation Resistance			$10^{12} \parallel 1$		$\Omega \parallel Pf$
Leakage Current	240Vrms, 50Hz		0.5		μA
Temperature Drift			± 50	± 100	PPm/ $^{\circ}C$
Nonlinearity			± 0.2	± 0.5	%FSK
Input Signal Load		250			Ω
Output Signal Load	24VDC		750		Ω
Output Signal Voltage Range		8	24	32	VDC
Output Linearity Range			4	24	mA
I_{out}		0.1		40	mA
Output Signal Ripple				5	mV
Frequency Response (small signal bandwidth)	$I_o=20mA$		50		Hz

All specifications measured at TA=25°C, humidity<75%, nominal input voltage and rated output load unless otherwise specified.

Size and Footprint(unit:mm)



Application:



Warranty

Two years (but violate operating rules and requirements to create damage, clients need pay maintenance costs)

Copyright

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Brand

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