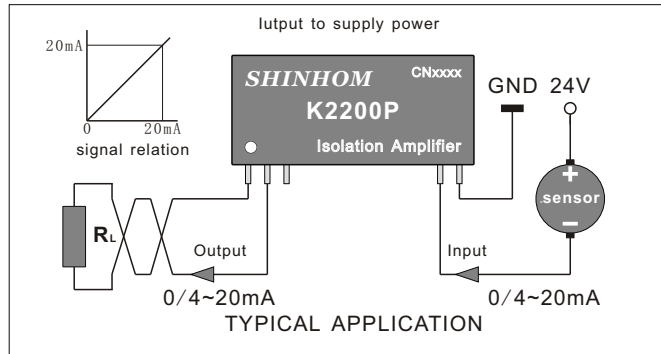


Features :

- ★ Low cost, small size, standard SIP12 package (32.00*7.55*14.45mm)
- ★ 4~20mA signal input/output
- ★ Low input resistance, wide input voltage : 8V~32V
- ★ High linearity (Nonlinearity<0.1%)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C~71°C
- ★ Directly weld to PCB

Application :

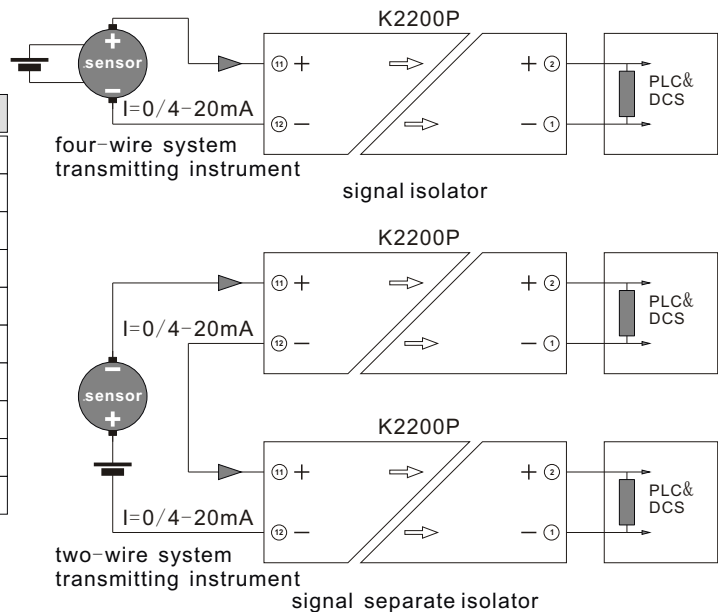
- ★ Industrial process 4~20mA signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision , medical application and Isolated safe bar



Description :

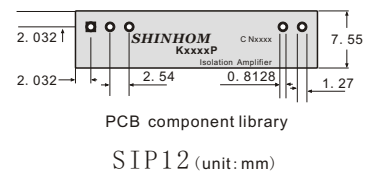
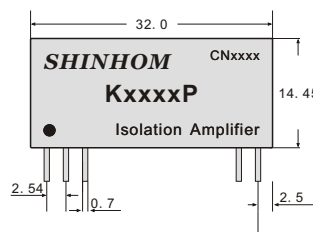
K2200P series is 0/4-20mA Signal Dual Loop Isolation IC, The IC contains an electromagnetic coupled converter and current modulate, and a high efficiency DC-DC circuit and so on, The IC gets tiny energy for operate from input signal loop . It meets requirements for 4~20mA loop sensor signal measurement, transmission, isolation and so on. It can save energy and prevent exploding. Internal peculiar signal deal technology to make signal near zero and still to keep very high linearity, and To make signal need not adjust. The characteristic less than 3V input impedance is suitable for 8~32V wide range of input voltage. The internal ceramic PCB, printed impedance and new isolation technologies allow the IC for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions.

GENERAL PARAMETER:	
Min Startup Current	<20uA
Voltage Lost	<3.0V
Max Current	30mA/28V
Frequency Response	<100ms
Ripples Output	20mVrms
Nonlinearity	<0.2%FSK
Odditional Error	-8uA/100ohm
Temperature Drift	<100ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C~71°C



Package, Dimension and PIN description :

PIN	FUNCTION
1	lout-
2	lout+
3-10	no connect
11	lin+
12	lin-

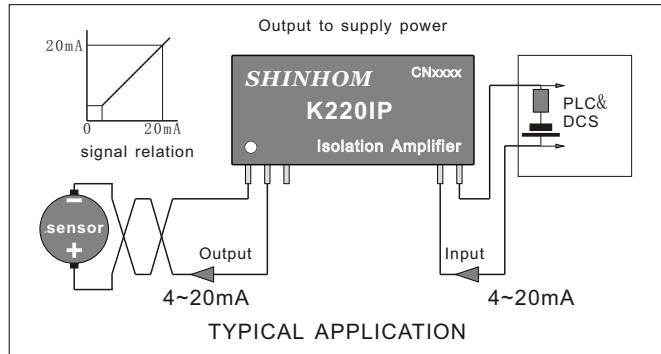


Features:

- ★ Low cost, small size, standard SIP12 package (32.00*7.55*14.45mm)
- ★ 4~20mA signal input/output
- ★ Supply power for sensor: 16V~21.5V
- ★ High linearity (Nonlinearity<0.5%)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C~71°C
- ★ Directly weld to PCB

Application:

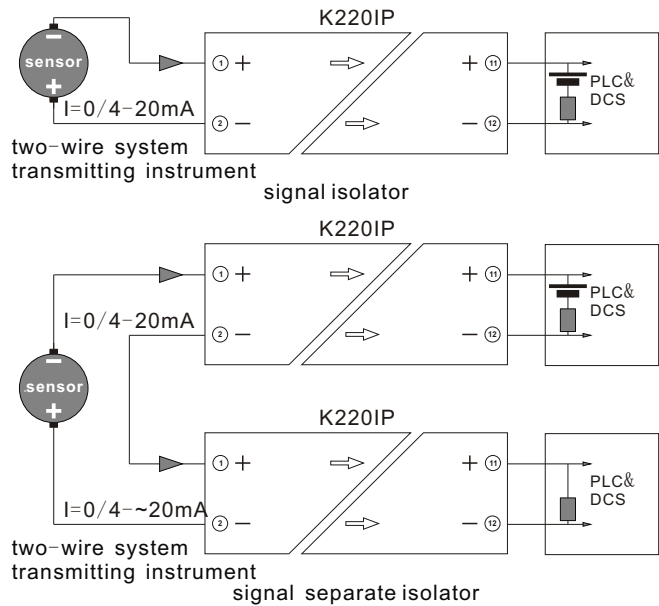
- ★ Industrial process 4~20mA signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision, medical application and Isolated safe bar



Description:

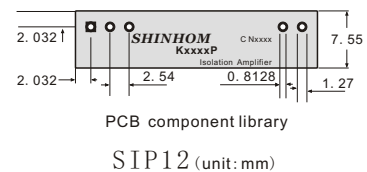
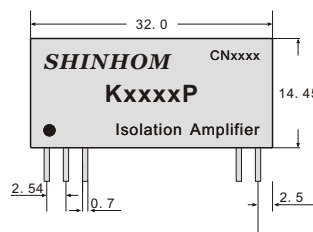
K220IP series is 4-20mA Signal Dual Loop Isolation Distributor IC, The IC contains an electromagnetic coupled converter and current modulate, and a high efficiency DC-DC circuit and so on, The IC supplies to loop distributor 16~21.5V, and meets requirements for 4~20mA loop sensor signal measurement, transmission, isolation and so on. It can save energy and prevent exploding, The IC output is designed according to loop circuit power supply of 24VDC and resistance, connecting in series, it match to popular module input attachment board, PLC and DCS or the other equipment module input attachment. The internal ceramic PCB, printed impedance and new isolation technologies allow the IC for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions.

GENERAL PARAMETER:	
Min Startup Current	>2mA
Voltage Lost	<3.0V
Max Current	30mA/28V
Frequency Response	<100ms
Ripples Output	20mVrms
Nonlinearity	<0.5%FSK
Odditional Error	-15uA/100ohm
Temperature Drift	<100ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C~71°C



Package, Dimension and PIN description:

PIN		FUNCTION
1	lout-	negative input
2	lout+	positive input
3~10		no connect
11	lin+	positive output
12	lin-	negative output

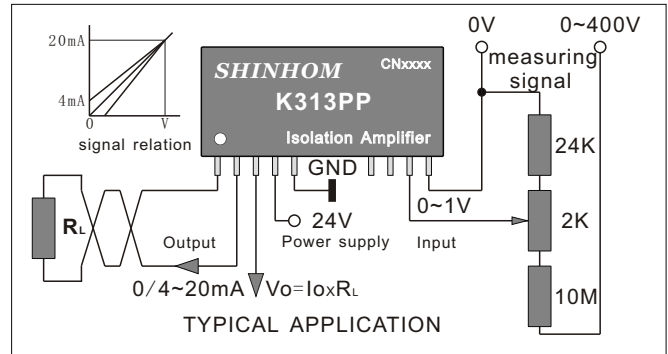


Features:

- ★ Low cost, small size, standard SIP12 package (32.00*7.55*14.45mm)
- ★ High input impedance (no less than 100K)
- ★ Three-port isolation (input, output and power supply)
- ★ High linearity (Nonlinearity < 0.2%)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C~71°C
- ★ Directly weld to PCB

Application:

- ★ Industrial process 4~20mA signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision, medical application and isolated safe bar



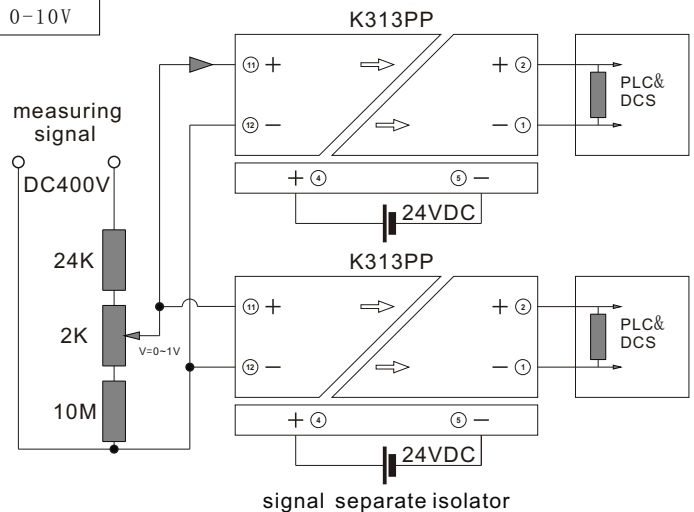
Description:

KP series is a high integration, high efficiency linear active isolation amplifier module, with anterior 0/x-xV or 0/x-xmA voltage or current signal input and posterior 0/x-xV or 0/x-xmA voltage or current output. These modules are embedded with an isolated micro-power source, which can provide a restricted current protected isolation power for the input. Where requires signal isolation and provides isolated electric feed for the input, our products largely simplify customers' design and helpfully improve the systems reliability. By using magneto design, it is available to keep high accuracy and natural extremely low temperature drift. The internal ceramic PCB, printed impedance and new isolation technologies allow the module for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions.

Selection Guide:

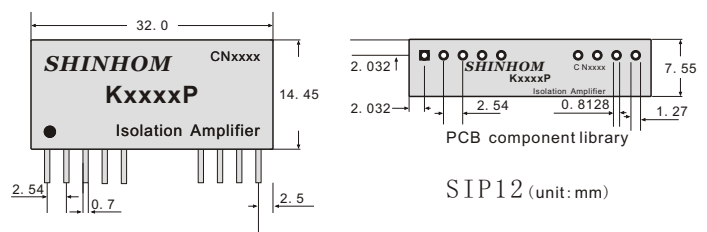
Input				Output				Power			
3	0-1V	7	0-10V	c	0-75mV	1	0-20mA	3	0-1V	1	5VDC
4	0.2-1V	8	2-10V	d	0-100mV	2	4-20mA	5	0-5V	3	24VDC
5	0-5V	a	0-25mV	s	custom	9	0-10mA	7	0-10V		
6	1-5V	b	0-50mV			s	custom				

GENERAL PARAMETER:	
Input Impedance	>100K
Load Capacity	voltage ≥ 2K and current ≤ 550Ω
Consumed Power	750mW
Frequency Response	<100ms
Ripples Output	20mVrms
Nonlinearity	<0.2%FSK
Optional Error	-8uA/100ohm
Temperature Drift	<50ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C~71°C



Package, Dimension and PIN description:

PIN	FUNCTION	PIN	FUNCTION
1	Sog	Signal GND	
2	Io	Output Current +	9 NC no connect
3	Vo	Output Voltage +	10 Rg Signal adjust
4	Vp+	Supply Power +	11 Vi+ Signal Input +
5	Vp-	Supply Power -	12 Vi- Signal Input -

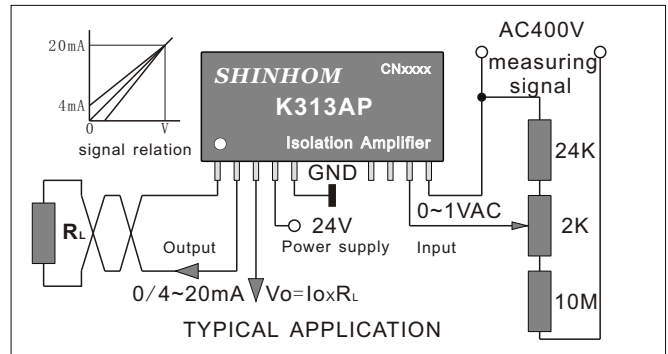


Features:

- ★ Low cost, small size, standard SIP12 package (32.00*7.55*14.45mm)
- ★ High input impedance (no less than 100K)
- ★ Three-port isolation (input, output and power supply)
- ★ AC-DC, High linearity (Nonlinearity < 0.2%)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C~71°C
- ★ Directly weld to PCB

Application:

- ★ Industrial process 4~20mA signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision, medical application and isolated safe bar



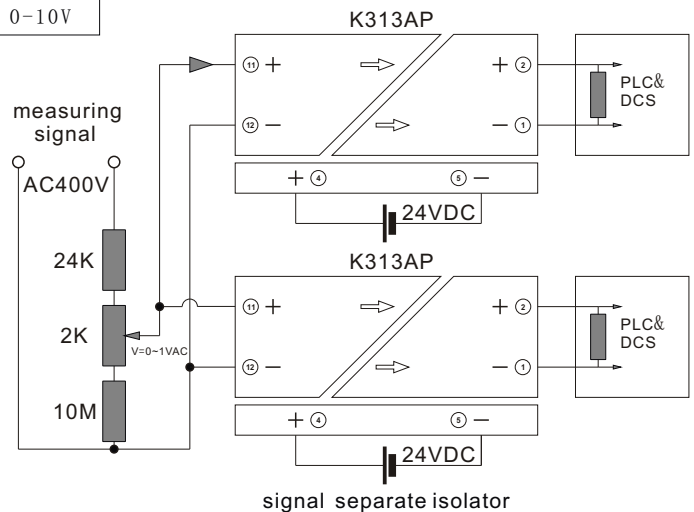
Description:

KAP series is a high integration, high efficiency linear active isolation AC-DC amplifier module, with anterior 0/x-xV or 0/x-xmA AC voltage or current signal input and posterior 0/x-xV or 0/x-xmA DC voltage or current output. These modules are embedded with a isolated micro-power source, which can provide a restricted current protected isolation power for the input. Where requires signal isolation and provides isolated electric-feed for the input, our products largely simplify customers' design and helpfully improve the systems reliability. By using magneto design, it is available to keep high accuracy and natural extremely low temperature drift. The internal ceramic PCB, printed impedance and new isolation technologies allow the module for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions.

Selection Guide:

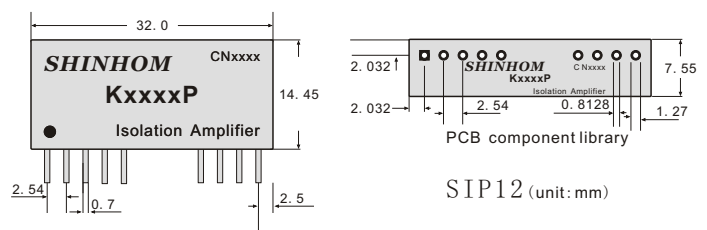
Input (AC)				Output (DC)				Power			
3	0-1V	7	0-10V	c	0-75mV	1	0-20mA	3	0-1V	1	5VDC
4	0.2-1V	8	2-10V	d	0-100mV	2	4-20mA	5	0-5V	3	24VDC
5	0-5V	a	0-25mV	s	custom	9	0-10mA	7	0-10V		
6	1-5V	b	0-50mV			s	custom				

GENERAL PARAMETER:	
Input Impedance	>100K
Load Capacity	voltage ≥ 2K and current ≤ 550Ω
Consumed Power	750mW
Frequency Response	<100ms
Ripples Output	20mVrms
Nonlinearity	<0.2%FSK
Optional Error	-8uA/100ohm
Temperature Drift	<50ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C~71°C



Package, Dimension and PIN description:

PIN	FUNCTION	PIN	FUNCTION
1	Sog	Signal GND	
2	Io	Output Current +	9 NC no connect
3	Vo	Output Voltage +	10 Rg Signal adjust
4	Vp+	Supply Power +	11 Vi+ Signal Input +
5	Vp-	Supply Power -	12 Vi- Signal Input +

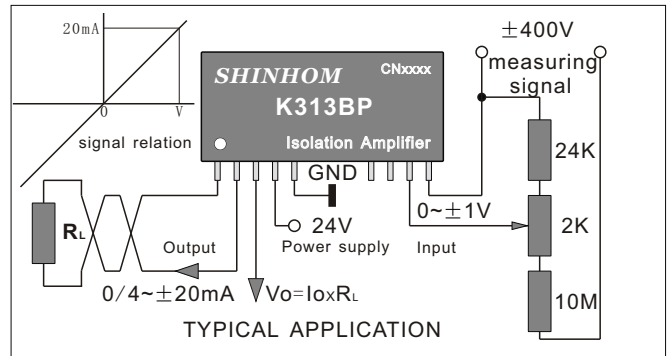


Features:

- ★ Low cost, small size, standard SIP12 package (32.00*7.55*14.45mm)
- ★ High input impedance(no less than 100K)
- ★ Three-port isolation(input , output and power supply)
- ★ \pm two-polar input/output, High linearity (Nonlinearity<0.2%)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C~71°C
- ★ Directly weld to PCB

Application:

- ★ Industrial process 4-20mA signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision , medical application and Isolated safe bar



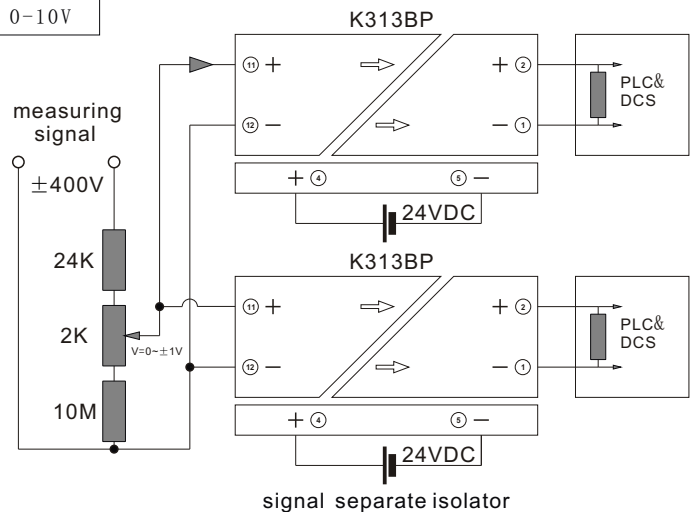
Description:

KBP series is a high Integration, high efficiency linear active isolation \pm two-polar input/output amplifier module, with anterior 0/x- \pm xV or 0/x- \pm xmA \pm two-polar voltage or current signal input and posterior 0/x- \pm xV or 0/x- \pm xmA \pm two-polar voltage or current output. These modules are embedded with a isolated micro-power source, which can provide a restricted current protected isolation power for the input. Where requires signal isolation and provides isolated electric-feed for the input, our products largely simplify customers' design and helpfully improve the systems reliability. By using magneto design, it is available to keep high accuracy and natural extremely low temperature drift. The internal ceramic PCB, printed impedance and new isolation technologies allow the module for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions.

Selection Guide:

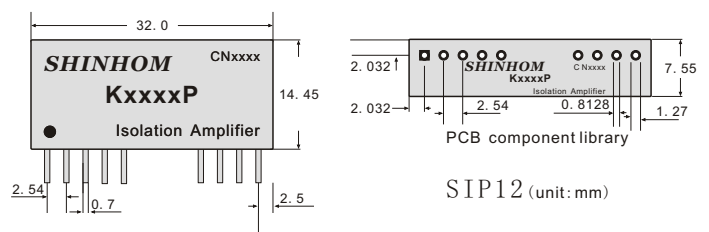
Input (AC)				Output (DC)				Power	
3	0-1V	7	0-10V	c	0-75mV	1	0-20mA	3	0-1V
4	0.2-1V	8	2-10V	d	0-100mV	2	4-20mA	5	0-5V
5	0-5V	a	0-25mV	s	custom	9	0-10mA	7	0-10V
6	1-5V	b	0-50mV	s	custom				

GENERAL PARAMETER:	
Input Impedance	>100K
Load Capacity	voltage \geq 2K and current \leq 550 Ω
Consumed Power	750mW
Frequency Response	<100ms
Ripples Output	20mVrms
Nonlinearity	<0.2%FSK
Optional Error	-8 μ A/100ohm
Temperature Drift	<50ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C~71°C



Package, Dimension and PIN description:

PIN	FUNCTION	PIN	FUNCTION
1	Sog	Signal GND	
2	Io	Output Current +	9 NC no connect
3	Vo	Output Voltage +	10 Rg Signal adjust
4	Vp+	Supply Power +	11 Vi+ Signal Input +
5	Vp-	Supply Power -	12 Vi- Signal Input +



Features :

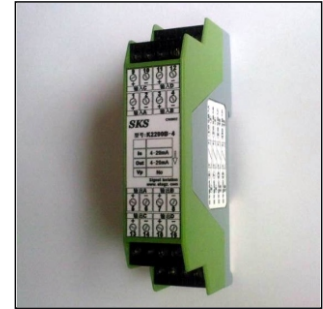
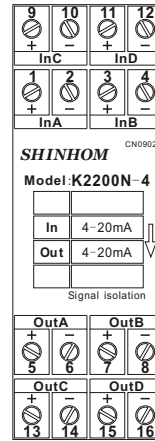
- ★ small size, standard DIN rail package (35mm)
- ★ 4-20mA signal input/output
- ★ High linearity (Nonlinearity < 0.1%)
- ★ High accuracy (0.1%), Low temperature drift (no more than 50ppm/°C)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C-71°C
- ★ Response time: 100ms

Application :

- ★ Industrial process 4-20mA signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision, medical application and Isolated safe bar

Description :

K2200N series is 0/4-20mA Signal Dual Loop Isolation devices, It contains an electromagnetic coupled converter and current modulate, and a high efficiency DC-DC circuit and so on, The devices get tiny energy for operate from input signal loop. It meets requirements for 4-20mA loop sensor signal measurement, transmission, isolation and so on. It can save energy and prevent exploding. Internal peculiar signal deal technology to make signal near zero and still to keep very high linearity, and To make signal need not adjust. The characteristic less than 3V input impedance is suitable for 8-32V wide range of input voltage. The internal ceramic PCB, printed impedance and new isolation technologies allow the devices for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions. Inside one device is made up of most four signal isolate channel.



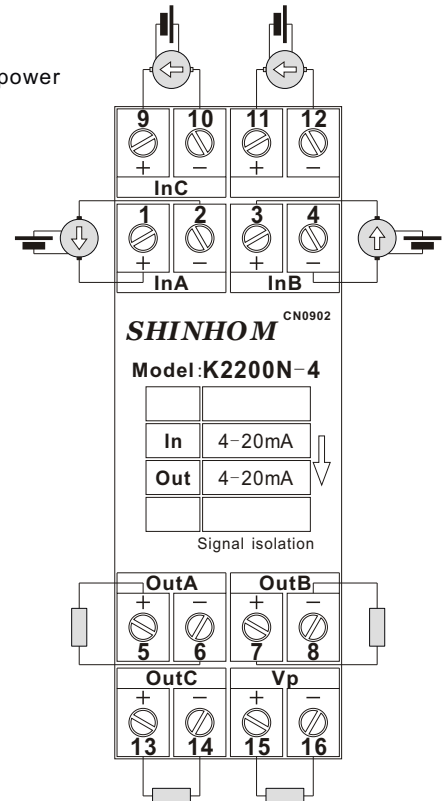
1-4 Channel Signal Isolator

GENERAL PARAMETER:	
Min Startup Current	< 20uA
Voltage Lost	< 3.0V
Max Current	30mA/28V
Frequency Response	< 100ms
Ripples Output	20mVrms
Nonlinearity	< 0.2%FSK
Additional Error	-8uA/100ohm
Temperature Drift	< 100ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C-71°C

Input to supply power

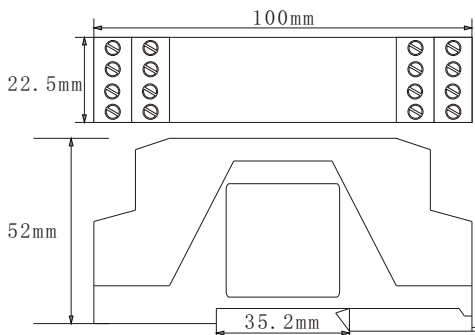
K2200N-?

Assemble	
-1	1 channel
-2	2 channel
-3	3 channel
-4	4 channel
-12	1 separate to 2
-24	2 separate to 4



DIN rail: 35mm

Package, Dimension and PIN description:



Features :

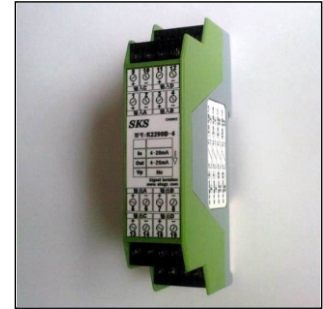
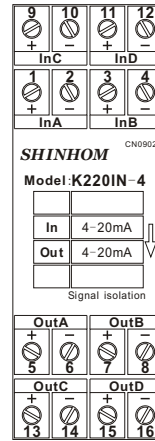
- ★ small size, standard DIN rail package (35mm)
- ★ 4-20mA signal input/output
- ★ Supply power for sensor: 16V-21.5V
- ★ High accuracy (0.5%), Low temperature drift (no more than 100ppm/°C)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C-71°C
- ★ Response time: 100ms

Application :

- ★ Industrial process 4-20mA signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision, medical application and Isolated safe bar

Description :

K220IN series is 4-20mA Signal Dual Loop Distributor Isolation devices, It contains an electromagnetic coupled converter and current modulate, and a high efficiency DC-DC circuit and so on, The devices get tiny energy for operate from Output signal loop. Output is designed according to loop circuit power supply of 24VDC and resistance, connecting in series supplies to anterior loop distributor 16-21.5V. it match to popular module input attachment board, PLC and DCS or the other equipment module input attachment. It meets requirements for 4-20mA loop sensor signal measurement, transmission, isolation and so on. It can save energy and prevent exploding. The internal ceramic PCB, printed impedance and new isolation technologies allow the devices for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions. Inside one device is made up of most four signal isolate channel.



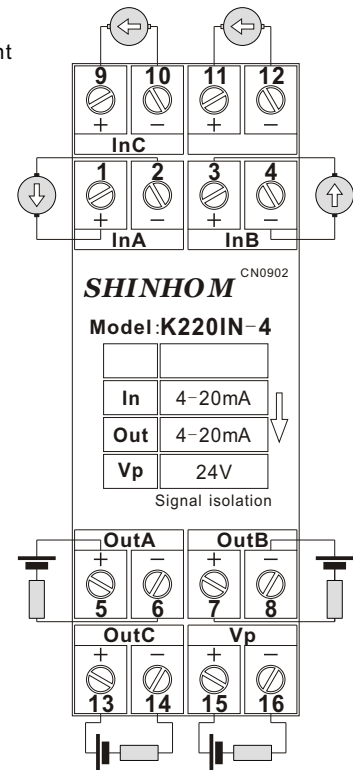
1-4 Channel Signal Isolator

GENERAL PARAMETER:	
Min Startup Current	>2mA
Voltage Lost	<3.0V
Max Current	30mA/28V
Frequency Response	<100ms
Ripples Output	20mVrms
Nonlinearity	<0.5%FSK
Additional Error	-15uA/100ohm
Temperature Drift	<100ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C-71°C

two-wire system transmitting instrument

K220IN-?

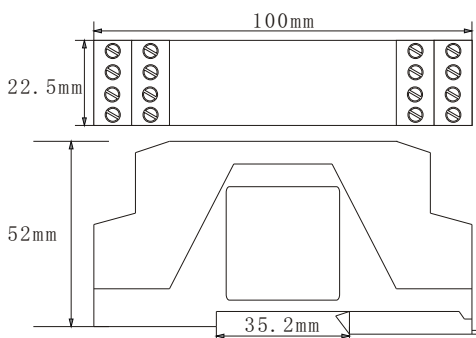
Assemble	
-1	1 channel
-2	2 channel
-3	3 channel
-4	4 channel
-12	1 separate to 2
-24	2 separate to 4



Output to supply power

DIN rail: 35mm

Package, Dimension and PIN description:



Features:

- ★ small size, standard DIN rail package (35mm)
- ★ High input impedance (no less than 100K)
- ★ Three-port isolation (input, output and power supply)
- ★ High linearity (Nonlinearity < 0.2%)
- ★ 1KVAC/2.5KVDC isolation intensity
- ★ Operation temperature: -25°C~71°C
- ★ Response time: 100ms

Application:

- ★ Industrial process signal isolation
- ★ PLC, DCS analog signal acquisition and isolation
- ★ No distortion in long distance signal transmission
- ★ Electric supervision, medical application and isolated safe bar

Description:

KPN series is a high integration, high efficiency linear active isolation amplifier module, with anterior 0/x-xV or 0/x-xmA voltage or current signal input and posterior 0/x-xV or 0/x-xmA voltage or current output. These modules are embedded with a isolated micro-power source, which can provide a restricted current protected isolation power for the input. Where requires signal isolation and provides isolated electric-feed for the input, our products largely simplify customers' design and helpfully improve the systems reliability. By using magneto design, it is available to keep high accuracy and natural extremely low temperature drift. The internal ceramic PCB, printed impedance and new isolation technologies allow the module for the 1.5KVAC/2.5KVDC insulated voltage and meets the industrial level for the extremely poor temperature, humidity and shaking conditions.

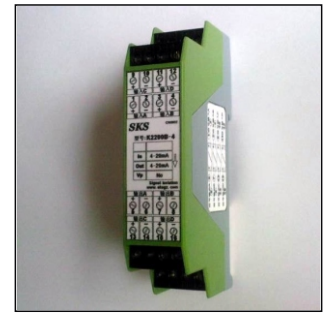
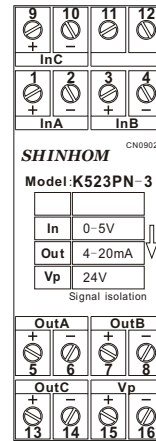
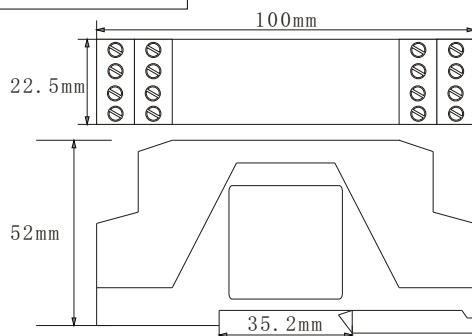
Selection Guide:

Input				Output				Power			
3	0-1V	7	0-10V	c	0-75mV	1	0-20mA	3	0-1V	1	5VDC
4	0.2-1V	8	2-10V	d	0-100mV	2	4-20mA	5	0-5V	3	24VDC
5	0-5V	a	0-25mV	s	custom	9	0-10mA	7	0-10V		
6	1-5V	b	0-50mV			s	custom				

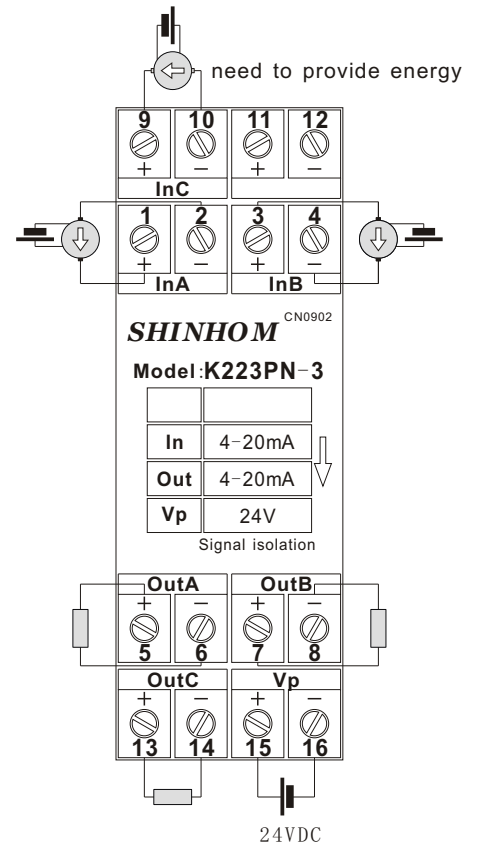
GENERAL PARAMETER:	
Input Impedance	>100K (voltage), <50Ω (current)
Load Capacity	voltage ≥2K and current ≤550Ω
Consumed Power	<1W
Frequency Response	<100ms
Ripples Output	20mVrms
Nonlinearity	<0.2%FSK
Additional Error	-8uA/100ohm
Temperature Drift	<50ppm/°C
Isolation Intensity	1KVAC/2.5KVDC/30S
Operation Temperature	-25°C~71°C

KxxxxN-?	
Assemble	
-1	1 channel
-2	2 channel
-3	3 channel
-12	1 separate to 2
-13	1 separate to 3

Package, Dimension and PIN description:



1-3Channel Signal Isolator



DIN rail: 35mm