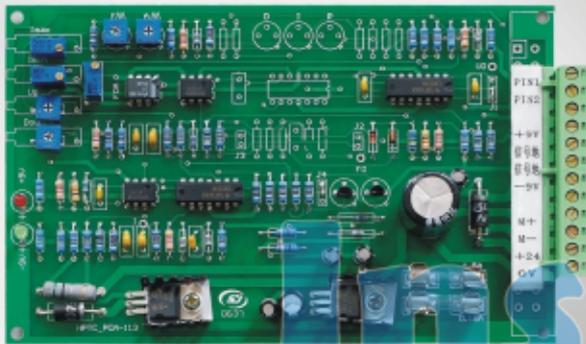


H-AP-101-2.5 (Single)proportional amplifier

Technical specification



Supply voltage	(V)	24±10%
Power request	(VA)	30
Fuse	(A)	5
Control voltage (optional)	(V)	0~5
		0~10
Max output current	(mA)	2500
Max load resistance	(Ω)	2.5
Operating environment temperature	(°C)	0~70
Temperature drift	(mA/°C)	0.3
Dimension	(mm)	170x100
Weight	(g)	110

Supply voltage: 24VDC, rated current amplitude: 0~2500mA

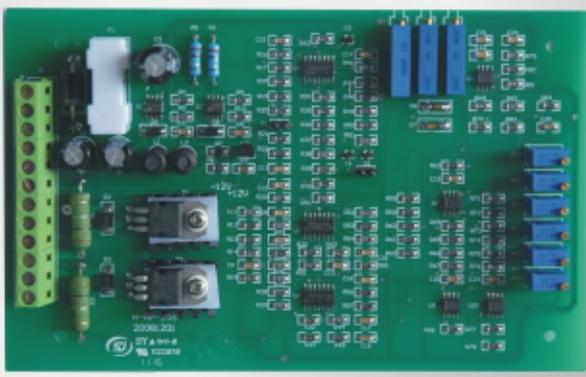
Components: filter circuit, voltage regulator, one switch power amplifier, ramp regulator, differential input, gain regulator, zero regulator. high precision & low temperature drift amplifying circuit

Application range:

- 1.BFW 2-position 4-way Proportional directional valve (Load Resistance: 2.5)

H-AP-206-2.5-u (i) proportional directional valve special amplifier

Technical specification



Supply voltage	(V)	24±10%
H-AP-206-2.5-U (Voltage Control)	(V)	±10
H-AP-206-2.5-I (Current Control)	(mA)	4-20
Load Resister	(20°C)	3
Control voltage (optional)	(mA)	2500
Operating environment temperature		(°C) 0 ~ 70
Temperature drift	(mA/°C)	0.3
Dimension	(mm)	170x100
Weight	(g)	120

Supply Voltage: 24VDC, Rated Current Amplitude: 0~2500mA

Components: Filter Circuit, Voltage Regulator, Two Switch Power Amplifiers, Ramp Regulator, Differential Input, Gain Regulator, Zero Regulator. High Precision & Low Temperature Drift Amplifying Circuit

Application range:

- BFW 3-position 4-way Proportional directional valve (Load Resistance: 2.5)

Proportional amplifier

H-AP-101-0.8 (Single)proportional amplifier

Technical specification



Supply voltage	(V)	24 ± 10 %
Power request	(VA)	30
Fuse	(A)	2
Control voltage (optional)	(V)	0 ~ 5
		0 ~ 10
Max output current	(mA)	800
Max load resistance	(Ω)	20
Operating environment temperature	(°C)	0 ~ 70 (°C)
Temperature drift	(mA/°C)	0.3
Dimension	(mm)	170x100
Weight	(g)	110

Supply voltage: 24VDC, rated current amplitude: 0~800mA

Components: filter circuit, voltage regulator, one switch power amplifier, ramp regulator, differential input, gain regulator, zero regulator, high precision & low temperature drift amplifying circuit

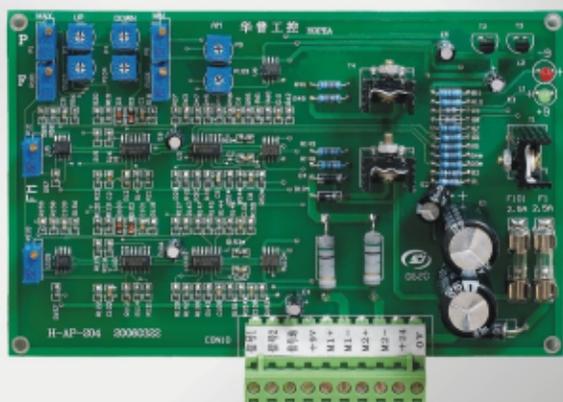
Application range:

1. BYZ Proportional directly operated pressure relief valve
(Load Resistance: 10, 19.5)
2. BY Proportional pilot-operated relief valve
(Load Resistance: 10, 19.5)
3. BFW 2-position 4-way Proportional directional valve
(Load Resistance: (02)19.5, (03) 10 (1500mA))

DBE 10-3X
DBE 20-3X

H-AP-204-0.8(Double)proportional amplifier

Technical specification



Supply voltage	(V)	24 ± 10 %
Power request	(VA)	60
Fuse	(A)	2
Voltage Control	(V)	0 ~ 10
Max output current	(mA)	800
Max load resistance	(Ω)	30
Operating environment temperature	(°C)	0 ~ 70
Temperature drift	(mA/°C)	0.3
Dimension	(mm)	160x110
Weight	(g)	115

4WRA & PQ

Supply voltage: 24VDC, Rated Current Amplitude: 0~800mA

Components: filter circuit, voltage regulator, two switch power amplifiers, ramp regulator, differential input, gain regulator, zero regulator, high precision & low temperature drift amplifying circuit

Application range:

1. BFW 3-position 4-way Proportional directional valve
(Load Resistance: (02) 19.5, (03) 10 (1500mA))
2. BYLZ Proportional electro-hydraulic control P-Q valve
(Load Resistance: 10, 28)

Basic characteristic

Power: 12VDC Maximal control current: 1500mA Control range: 0~5V

PIN1: First loop control signal input

PIN2: Second loop control signal input

+9V: +9V output power

M1+: Solenoid positive terminal of first loop

M1-: Solenoid negative terminal of first loop

M2+: Solenoid positive terminal of second loop

M2-: Solenoid negative terminal of second loop

+24V: +12VDC power input.

0V: +12VDC power ground

Note: When connecting the wires, signal ground can not connect with power ground.

Open loop and test

Minimum current adjustment: adjust the I min potentiometer to get the required minimum current. (Adjust clockwise and the current increases)

Maximal current adjustment: adjust the I min potentiometer to get the required minimum current.

(Adjust clockwise and the current increases)

Incline adjustment: adjust UP, adjust clockwise to increase the time of climbing incline

adjust DOWN, adjust clockwise to increase the time of declining incline

Using potentiometer F to adjust buffeting frequency of input current, when adjust clockwise, its value increases

Using potentiometer A to adjust buffeting amplitude of input current, when adjust clockwise, its value increases

初始检查 接线图 确保 24V 电源电压在规定范围内。
开环调节:

最小电流 (I_{min}) 调整: 调节电位器 MIN, 得到所需的最小电流 (顺时针调节最小值变大)。

最大电流 (I_{max}) 调整: 调节电位器 MAX, 得到所需的最大电流 (顺时针调节最大值变大)。

斜坡调节: 调节 UP, 顺时针调节上升斜坡时间增加,
调节 DOWN, 顺时针调节下降斜坡时间增加,

电位器 F 用来调节输入电流的颤振频率, 顺时针调节时变大。

电位器 A 用来调节输入电流的颤振幅值, 顺时针调节时变大。

注: 以上调节电位器, 上面的控制第一路电磁铁, 下面的控制第二路电磁铁。

接线图:

کارت دابل پرپرشنال

