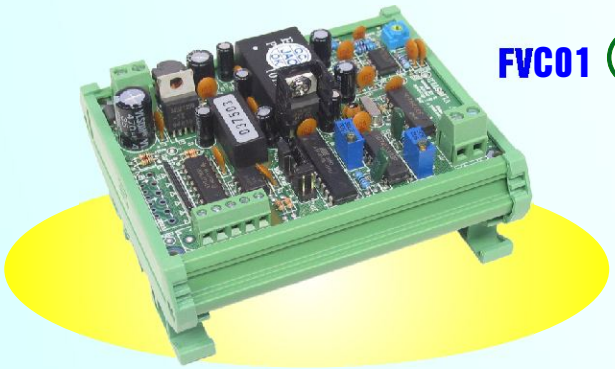
F to V Module



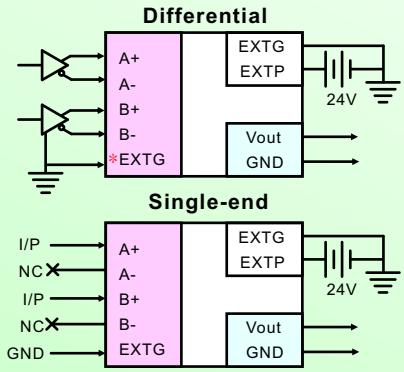
FVC01

Specifications

- Fully isolation from pulse input to voltage output
- Power Requirement : 24Vdc
- Input Pulse Type : quadrature dual phase, CW/CCW, CLOCK/DIR
- Input Frequency Range : 1Kpps to 100Kpps
- Output Voltage : ±10V
- Dimension : 86(W)*103(L)*50(H)mm
  3.4(W)*4.1(L)*2.0(H)in

Connector

*Differential signals needs connect EXTG as common.



Matched I/O Card

- **MPC3024A :** 4-axis Motion Control Card for Servo/Stepping Motor Control (include SM23404) P.3
- **MPC3024AC :** 4-axis Closed Loop Motion Control Card for Servo/Stepping Motor Control (include SM23404) P.5
- **MPC3028A :** 8-axis Motion Control Card for Servo/Stepping Motor Control (include SM23404) P.7
- **MPC3034A :** 4-axis Motion Control Card for Servo/Stepping Motor Control with advanced functions (include SM23404) P.9
- **MPC3035A :** 4-axis motion control card with advanced encoder counter function for servo / step motor control with 2 8-bit DA's (include SM23404, SM23405) P.11
- **MPC3035AL :** 4-axis Motion Control Card for Servo / Stepping Motor Control (include SM23404, SM23405) P.11
- **MPC3042A :** With pulse referenced PI closed loop control. 2-axis Motion Control Card for Servo / Stepping Motor Control (include SM2341104) P.15
- **MPC3042AL :** 2-axis Motion Control Card for Servo / Stepping Motor Control (include SM2341104) P.15

Function Description

JP2	
PIN	Function
1	Clock/ DIR input
2	CW / CCW input
3	Quadrature A、B phase

JP1		
1	Short	A、B Normal
2		
2	Short	A、B input swap
3		

Power connector	
EXTP	Power input of 24V
EXTG	Ground

O/P	
Vout	Voltage output
GND	Ground

Input connector	
EXTP	Power input of 24V
EXTG	Ground
A+	+ input for Clock/CW/A phase
A -	Clock/CW/A phase - input
B+	Dir/CCW/ B phase + input
B -	Dir/CCW/ B phase - input

Application Tips

- Pulse type motion control system often give the engineer about the motion profile problems.

  You can not get the profile information directly from the pulse train.

  A pulse to voltage converter will solve the problem!

  It converts the pulse train proportional to voltage, then an oscilloscope will easily display the profile of acceleration / deceleration and even a Lissajous plot to check the interpolation curve (use 2 modules to convert pulse train).