

FSV010AS5 型霍尔电压传感器

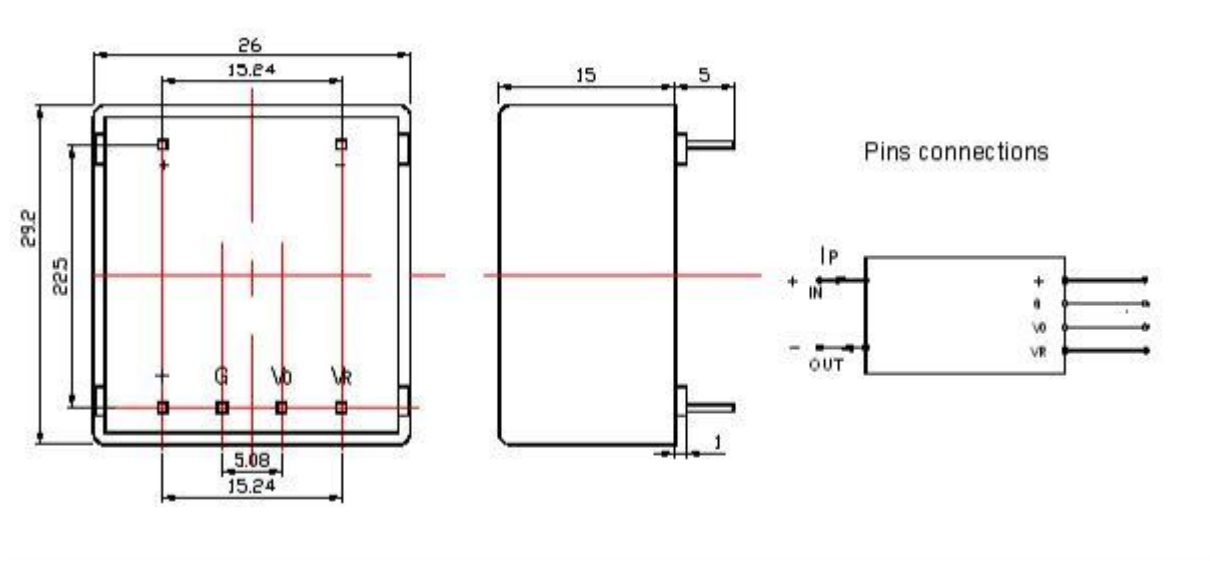
应用霍尔效应闭环原理的电压传感器，能在电隔离条件下测量直流、交流、脉冲以及各种不规则波形的电压。

The voltage sensor using the Hall effect closed-loop principle can measure DC, AC, pulse and various irregular waveform voltages under the condition of electrical isolation.

电参数/Electrical characteristics				
	型号 Type	FSV005AS5	FSV010AS5	
I_{PN}	原边额定输入电流 Primary nominal input current	5	10	mA
I_p	原边电流测量范围 Measuring range of primary current	10	20	mA
I_{SN}	额定输出电压 Rated output voltage	0.625±0.5%	0.625±0.5%	V
K_N	初级线圈匝数 (T) Primary coil turns (T)	2500	1250	
	次级线圈匝数 (T) Turns of secondary coil (T)	1000	1000	
	内接测量电阻RM Built-in measuring resistance RM	50±0.1% 25PPM		Ω
V_C	电源电压 Supply voltage	+5(±5%)		V
V_d	绝缘电压 Insulation voltage	50Hz, 1min, 2.5kV		
ϵ_L	线性度 Linearity	≤0.1		%FS
V_o	零点失调电压 Offset voltage $V_o @ I_P=0, T=25^\circ\text{C}$	2.5±0.5%		V
V_o	失调电流温漂 $I_P=0$ Offset current temperature drift $I_P=0$	@ -40°C--85 ≤±1		mV/°C
T_R	响应时间 Response time	≤40		μs

T _A	工作环境温度 Ambient operating temperature	-40~+85	°C
T _S	贮存环境温度 Ambient storage temperature	-40~+125	°C
	标准 Standard	GI/FS-0105	

外形尺寸/ Dimensions of drawing(mm)



主要公差/Principal tolerance

- 总公差/Total tolerance ±0.2mm
- 连接初级线圈的引脚/Connect the pins of the primary coil 2 pin 4 pin 0.8mm*0.8mm