



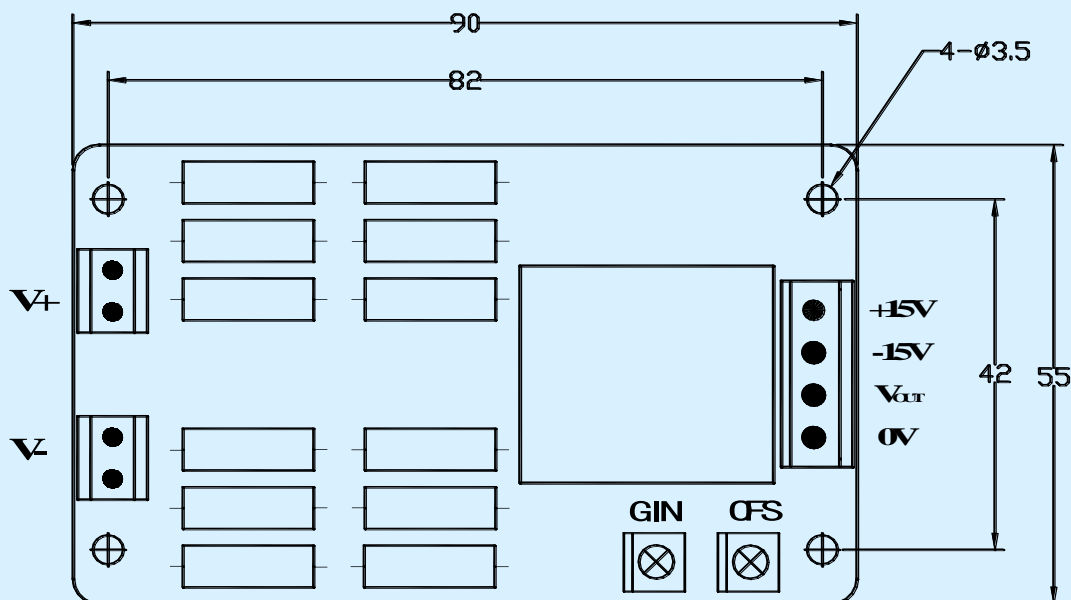
VSM1200DP Hall-effect Voltage Sensor Series



Closed loop voltage sensor based on the principle of Hall-effect. It can be used for measuring alternating, direct, pulsed and mixed voltage

Electrical characteristics						
Type	VSM500DP	VSM800DP	VSM1000DP	VSM1200DP		
V_{PN}	Primary nominal input voltage	500	800	1000	1200	V
V_P	Measuring range of primary voltage	0~±750	0~±1200	0~±1500	0~±1500	V
V_{OUT}	Nominal output voltage	5±1%				V
V_C	Supply voltage	±15(±5%)				V
I_C	Current consumption	$V_C=±15V$	<30			mA
V_D	Insulation voltage	AC/50Hz/1min	3			kV
ϵ_L	Linearity	<0.5				%FS
V_O	Offset voltage	$T_A=25^\circ C$	<±25			mV
V_{OT}	Thermal drift of V_0	$I_P=0$ $T_A=-25\sim+85^\circ C$	<±1			mV/°C
T_R	Response time	90% of V_{PN}	<100			µs
T_A	Ambient operating temperature	-25~+85				°C
T_S	Ambient storage temperature	-40~+100				°C
	Standard	Q/320115QHKJ01-2010				

Dimensions of drawing (mm)



Elucidation: OFS:Zero adjustment GIN:Gain adjustment

Remarks

Incorrect connection may lead to the damage of the sensor.

V_{OUT} is positive when the connection of V_P according to the top diagram.