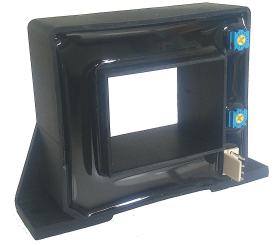


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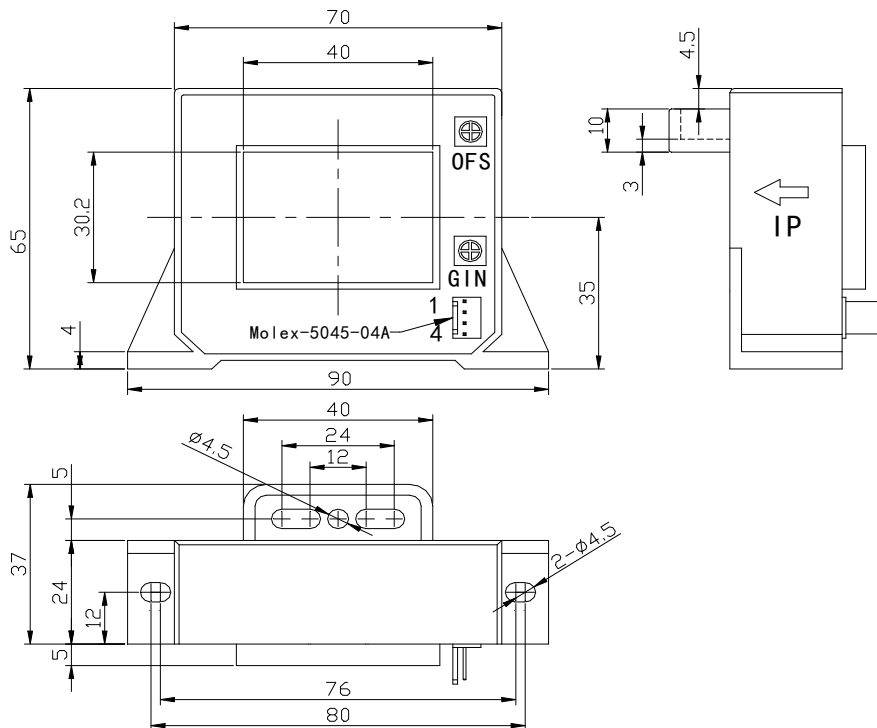
## CS1500CFA Hall-effect Current Sensor Series



Open loop current sensor based on the principle of Hall-effect. It can be used for measuring AC,DC,pulsed and mixed current.

Electrical characteristics								
	Type	CS200CFA	CS400CFA	CS600CFA	CS800CFA	CS1000CFA	CS1500CFA	
$I_{PN}$	Primary nominal input current	200	400	600	800	1000	1500	A
$I_P$	Measuring range of primary current	0~±600	0~±1200	0~±1800	0~±2400	0~±2500	0~±2500	A
$V_{OUT}$	Nominal output voltage	4±1%						V
$V_C$	Supply voltage	±15(±5%)						V
$I_C$	Current consumption	<25						mA
$V_D$	Insulation voltage	AC/50Hz/1min			5			kV
$\epsilon_L$	Linearity	<1						%FS
$V_O$	Offset voltage	$T_A=25^\circ\text{C}$			<±20			mV
$V_{OM}$	Residual voltage	$I_{PN}\rightarrow 0$			<±15			mV
$V_{OT}$	Thermal drift of $V_0$	$I_P=0 \quad T_A=-40\sim+85^\circ\text{C}$			<±1			mV/°C
$T_R$	Response time	≤5						μs
f	Frequency bandwidth(-3dB)	DC~20						kHz
$T_A$	Ambient operating temperature	-40~+85						°C
$T_S$	Ambient storage temperature	-40~+105						°C
$R_L$	Load resistance	≥10						KΩ
m	Mass(approx)	290						g
	Standard	Q/320115QHKJ01-2013						

### Dimensions of drawing (mm)



Elucidation: 1:+15V 2:-15V 3:  $V_{OUT}$  4:0V(GND) OFS:Zero adjustment GIN:Gain adjustment

### Remarks

- Incorrect connection may lead to the damage of the sensor.
- $V_{OUT}$  is positive when the  $I_P$  flows in the direction of the arrow.