

HKA—YSC系列霍尔电流传感器

(HKA-YSC Hall-effect Current Sensor Series)

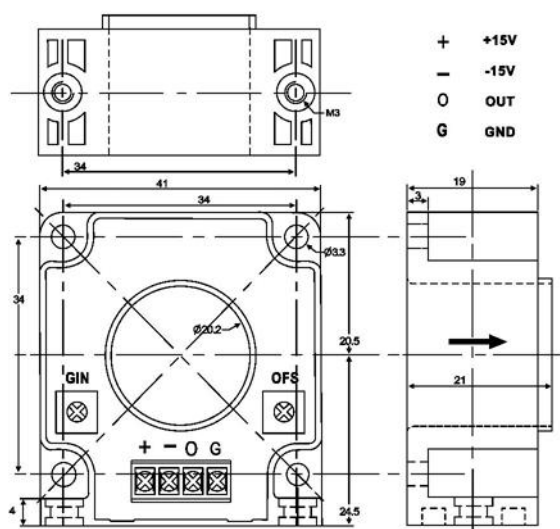
HKA-YSC 系列霍尔电流传感器的初、次级之间是绝缘的，可用于测量直流、交流和脉冲电流。

(HKA-YSC Series Hall-effect Current Sensor between primary and secondary is insulated, can be used for the measurement of DC, AC and pulse current)

电气参数 (Electrical characteristics)							
	型号 Type	HKA10-YSC	HKA20-YSC	HKA50-YSC	HKA100-YSC	HKA200-YSC	A
I _{pn}	额定输入电流 Rated input	10	20	50	100	200	A
I _{pm}	测量电流范围 Measuring range	20	40	100	200	400	A
V _{out}	输出电压 Rated output voltage	4					V
V _o	零电压失调 Zero offset voltage	< ±15					mV
V _c	供电电源 Supply voltage	±15±5%					V
I _c	静态功耗 Current consumption	≤35					mA
I _{ot}	零点温漂 Thermal drift of I _o	≤25					mV/°C
F	带宽 Frequency bandwidth(-3dB)	DC~20					KHz
ε _G	精度 Accuracy	±0.2					%
ε _L	线性度 Linearity	±0.1					%
d _i /d _t	跟随精度 Accurately followed	>100					A/μS
Tr	响应时间 Response time	≤3					μS

Vd	绝缘电压 Insulation voltage	2.5	KV
Ta	工作温度 Ambient operating temperature	-40~+85	℃
Ts	储存温度 Ambient storage temperature	-40~+125	℃
M	重量 mass	65	g
	标准 Standards	EN50178\IEC61010-1\UL94-Vo\ROHS	

机械参数 Dimensions (mm)



引脚说明： 1, +15V 2, -15V 3, Vout 4、电源地（GND）

端子标准：3.52mm, 4pin 接线式连接器

使用说明 Remarks

- 1、应用：通讯电源、不间断电源UPS、斩波器、电化学、整流、电源监测、电焊机、变频、开关电源、电池监测、电动机监测等领域。Application: communication power supply, uninterruptible power supply UPS chopper, electrochemical, rectifier, power monitoring, welding machines, inverter, switching power supply, battery monitoring, motor monitoring fields.
- 2、传感器的输出幅度可根据用户需要进行适当调节。The amplitude of the output of the sensor can be appropriately adjusted according to user needs.
- 3、可按用户需求定制不同额定输入电流和输出电压的传感器。Custom different rated input current and the output voltage of the sensor.