产品说明

Applications

该磁平衡式霍尔电流传感器适用于对交流、直流和脉动电流的隔离精确测量,测量时一次侧与二次侧之间完全绝缘。

For the electronic measurement of currents: AC, DC IMPL,,etc.,with galvanic isolation between the primary

产品优点 Advantages	产品应用 Applications	参照标准 Standards
高精度 Excellent accuracy	交流变频器 AC variable speed drives	EN50178
线性度好 Very good linearity	电池供电 Battery supplied applications	EN50155
低温漂 Low temperature drift	变流器/逆变器 converter /inverter	
宽频带 Wide frequency bandwidth	UPS/SVG	
快速响应 Optimized response time		

主要电气参数 Main electrical data				
额定測量电流 Ipn (A)	Primary nominal current rms		200	
测量范围 Ip (A)	Primary current measuring range		0∼±300	
匝比	Conversion ratio		1:2000	
电源电压 V _c (V)	Supply voltage			±(12V~15V)(±5%)
额定測量输出 IsN(mA)	Secondary nominal current rms		100mA	
測量电阻 R _M (Ω)	Measuring resistance			
	T _A =70°C	RM	min	RMmax
with ±	:12V @ ±200A max:	0 o	hm	65 ohm
	@±300A max:	0	ohm	30 ohm
with±	:15V @ ±200A max:	5 o	hm	90ohm
	@±300A max:	5 (ohm	45 ohm
二次侧电流消耗 lc(@±15V	Current consumption		≤20m/	A+ Secondary output current I _{SN}
隔离耐压	压 Isolation test: Between the primary		6 kVrms/50Hz/1min	
circuit to the secondary circuit		6 KVrms/30Hz/1min		

	circuit to the secondary circuit	OKVIII	13 J 0 112 J 1 1 1 1 1 1	
精度 - 动态参数 Accuracy - Dynamic performance data				
基本误差δi (@Ipn, T _A =25°C)	Overall Accuracy		≤±0.8%	
线性度误差δL (@IpN, T _A =25℃)	Linearity error		<0.1%	
零点输出电流 I ₀ (@I _P =0, T _A =25℃)	Offset current		≤±0.15mA	
零点温漂 Ior	Thermal drift		≤ ±0.5mA (-40°C~+85°C)	
响应时间 t _r	Response time to 90% of I _{PN} step		≤lus	
di/dt 精确度	di/dt Accurately followed		>100A/us	

频率带宽 BW	Frequency bandwidth(-1dB)	DC100kHz		
一般数据 General data				
工作温度 Ta	Ambient operating temperature	-40℃~+85℃		

-40°C~+90°C

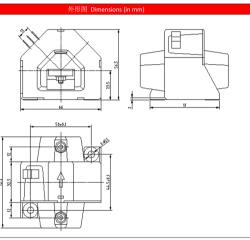
≤150g

Ambient storage temperature

Mass

储存温度 Ts

重量 m



电气连接 Connection

