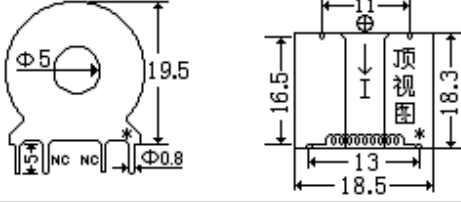
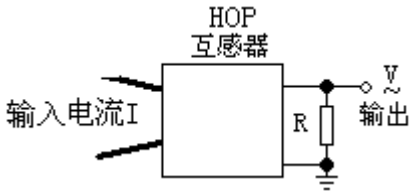


# 规格书

## Product Specification

Description 产品类型		Current Transformer 电流互感器	
Rated current ratio 额定电流比		5A/2.5mA	
TYPE 型号		HCT204ATN	
Electrical Specifications 电气规范		Mechanical Dimensions in mm	
Rated Primary Current(A) 初级电流 (A)	0~5A	 <p>顶视图</p>	
Secondary Current(mA) 次级电流 (mA)	0~2.5mA		
Maximum current I <sub>max</sub> (A) 最大一次电流	40A		
Rate transformation ratio 额定电流比	2000:1		
Power-frequency withstand voltage 工频耐受耐压	5000 V <sub>rms</sub>		
Current error 比差值	0.05%		
Rated phase displacement 额定点相位差	≤6'		
Rated frequency 额定频率	50/60Hz		
Rated short-time thermal current 短时热电流	100A (3s)		
Rated resistive burden 额定负载电阻 (Ω)	≤100Ω (40A)		
Insulation resistance: 绝缘电阻 (MΩ)	>500MΩ	<p>Same polarity: *--*</p> <p>Pin length: 4mm±0.5mm</p> <p>Direction for use:</p> 	
Mechanical Specifications 机械规范			
Encapsulant 灌封	epoxy resin		
Terminals 管脚	<b>Out:</b> <b>Input:</b>		
Approx.Weight 重量	About 12g		
Tolerance 公差 (mm)	±0.5		
Storage temperature 储存温度	-50℃<T<+110℃		
Working temperature 工作温度	-40℃<T<+90℃		

Working humidity 湿度	0-95% (no condensation)	
Enclosure flame retardant grade	UL94 V-0	

## Acceptance specification

Item	Test condition (测试条件)	Performance (判定标准)	Test Result
可焊性 Pin Welding property	将管脚针侵入 250℃锡中，时间 1.5~2 秒，上锡面积大于 90% The pin needle in 250℃ for 1.5~3 seconds on the tin pot, tin area reached 90%.	试件 90%的焊锡面积能正常上锡，外观无异常现象。 More than 95% surface of the PIN should be covered with solder. Any visual defects harmful to the characteristics shall not be allowed.	<b>PASS</b>
高低温实验 High / Low Temperature Life Test	高温温度为：100℃,低温温度为：-45℃放置时间都分别为：72hrs。测试结束后至室温放置>4H 方可测试电气特性 High temperature: 100±5℃ Low temperature: -45℃ Kept stabilized in chambers for 72 hrs each. then kept in the normal environment for more than 4 hours also, after that do the electrical characteristics measurement.	外观无损伤，电感值变异不超过 20%;直流电阻值变异不超过 20%。零件外观无任何裂纹或损伤，电气性能无短路或断线。 Cracking, chipping or any other defects harmful to the characteristics shall not be allowed. Short or Open defect can't be happened. Inductance&Resistances: within 20% of the initial value	<b>PASS</b>

Beijing HOP Technology Co., Ltd.

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