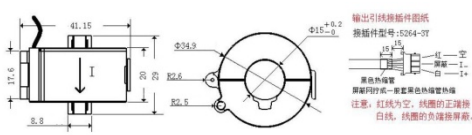


规格书

Product Specification

Description 产品类型	Current Transformer 电流互感器	
Rated current ratio 额定电流比	20A/5mA	
TYPE 型号	HCT15K-AC-20(100)A	
Electrical Specifications 电气规范		Mechanical Dimensions in mm
Rated Primary Current(A) 初级电流 (A)	0~20A	
Secondary Current(mA) 次级电流 (mA)	0~5mA	
Maximum current I _{max} (A) 最大一次电流	100A	
Rate transformation ratio 额定电流比	4000:1	
Power-frequency withstand voltage 工频耐受耐压	5000 V _{rms}	
Current error 比差值	0.5%	
Linear phase-shift error 相位差变化	≤15'	
Rated frequency 额定频率	50/60Hz	
Rated short-time thermal current 短时热电流	400A (1s)	
Rated resistive burden 额定负载电阻 (Ω)	≤20Ω(100A)	
Insulation resistance: 绝缘电阻 (MΩ)	>500MΩ	
Mechanical Specifications 机械规范		
Encapsulant 灌封	epoxy resin	
Terminals 管脚	Out: Intput:	
Approx.Weight 重量	About 62g	
Tolerance 公差 (mm)	±0.5	
Storage temperature 贮存温度	-40℃<T<+85℃	
Working temperature 工作温度	-40℃<T<+75℃	

Working humidity 湿度	0-50% (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.	PASS
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	PASS

Beijing HOP Technology Co., Ltd.