C6066G SERIES GENERAL SPECIFICATION

C6066G系 列 规格 书

1、General一般事项						
1.1 Scope				适用范围		
,	The specification ap	plies to model C6066Gtype	此规格书适用于C6066G机型,			
1.2	Operating temperate	ure range: -10°C ~70°C	使用温度范围: -10℃~70℃			
1.3	Storage temperature	e range: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$		保存温度范围: -30℃~70℃		
1.4	Test conditions			试验状态		
	Standard atmosphe		标准状态:			
		pecified, the standard range of atmosphe	无特别规定之实验及测定时以温度:			
		ing measurements and test is as follows	5~35℃,相对湿度: 45~85%,			
	_	rre:5~35°C Relative humidity:45~859	气压: 86~106kap之标准状态测定。			
	Air pressure:86kpa	-	#N. H. Wal - N. 20 - A. E Polit Bl. #E A. Bl. N.			
	made within the following	ot about the results, measurements shall be	发生判定疑问或另有特别要求则以			
		nowing mmt. ure:20±2°C Relative numidity:60~70%	基准状态(温度: 20±2℃,相对湿度: 60~70%,气压: 86~106kap)			
	Air pressure:86kpa	_	为标准测定。			
2 E	LECTRICAL			/5/4/1日/约定。		
<u> </u>	Item	Conditi		Specifications		
	项目	条 件		规 格		
2.1N	Nominal total resis-	The resistance between terminals 1 and	/9 u 1H			
ta	nce and tolerance	端子1-3间阻值测定。	10 K $\Omega \pm 20$ %			
	公称全阻抗值					
2.	3Resistance law	Measurement shall be made by the resi	<u>B</u> Taper线性			
	阻抗变化特性	For other procedures(refer JISC5261 s	tandard)			
		用电压法测试,参照JISC5261标准。		Refer to the attached 参见附页		
		Power rating is based on continue full	-	1		
		maximum voltage between terminals 1				
	4 5	vs.ambient temperature shall be denote	ed on the following graph.			
2.	4、Power rating	端子1-3间连续负载后的最大功率。	==	0.137		
	额定功率	环境温度对功率影响的曲线如下图表示:		0.1W		
		gi & so -				
		28eckpover ration (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)				
		0 20				
	■ Residual	Contact brush stop at the end of the (A	temperature 周围温度(℃)).Resistance Between terminals			
	resistance	1 and 2, Terminals 2 and 3 shall be me	asured.A: Travel of effective rotation	R1. 2<10 Ω		
	残留电阻	接触刷停留在(A)终端位置,在端子1	R1. 2<10 Ω			
		阻值. A:有效滑动行程				
2.5、	□ Maximum	15A,B(1B):The lever shall be set the term.1				
	attenuation	3 side end. The maximum attenuation bet				
	最大衰减量	measured when voltage is applied to term	1.1-3			
	2.6、分中阻值			R1,2与R2,3误差≤150Ω		
		Rated voltage	Maximum operating voltage			
		称定电压: E= √ PR	最高使用电压			
		Power rating	Nominal total resistance	150V AC		
2.6	6. Rated voltage	E	R: 公称全阻抗值	130 V AC		
	额定电压	When the rated voltage exceeds the ma				
		the maximum operating voltage shall b				
		额定电压大于最高使用电压时,最高值				
2.7Sliding noise		Apply DC20V between terminals 1-3 to measure the noise voltage				
		(rated voltage \leq 20V apply by rated v	Less than 60mVp-p			
	滑动噪音	在端子1-3间加直流电压20V(额定电压≤20V,则以额定电压值测试)		60mVp-p 以下		
		后,测定的杂音电压.	Traveling speed:1Cycles/3sec			
			滑动速度: 1来回/3秒3			
2.8 Insulation		A voltage of 250V DC shall be ap-	Between individual terminals			
resistance		plied 1 min,after which measurem-	and frame/shaft	$100 \mathrm{M}~\Omega$ or more		
绝缘阻抗		ent shall be madeDC.250V 1分钟	在端子、支架与轴芯间	100MΩ 以上		
2.9 Dielectric		Trip current:2mA	Between individual terminals	Electrical characteristics		
strength		Measuring frequency: 50~60Hz;	and frame/shaft	shall be satisfied with specification		
耐电压		300V AC for 1 minutes.	在端子、支架与轴芯间	电气性能符合规定要求		

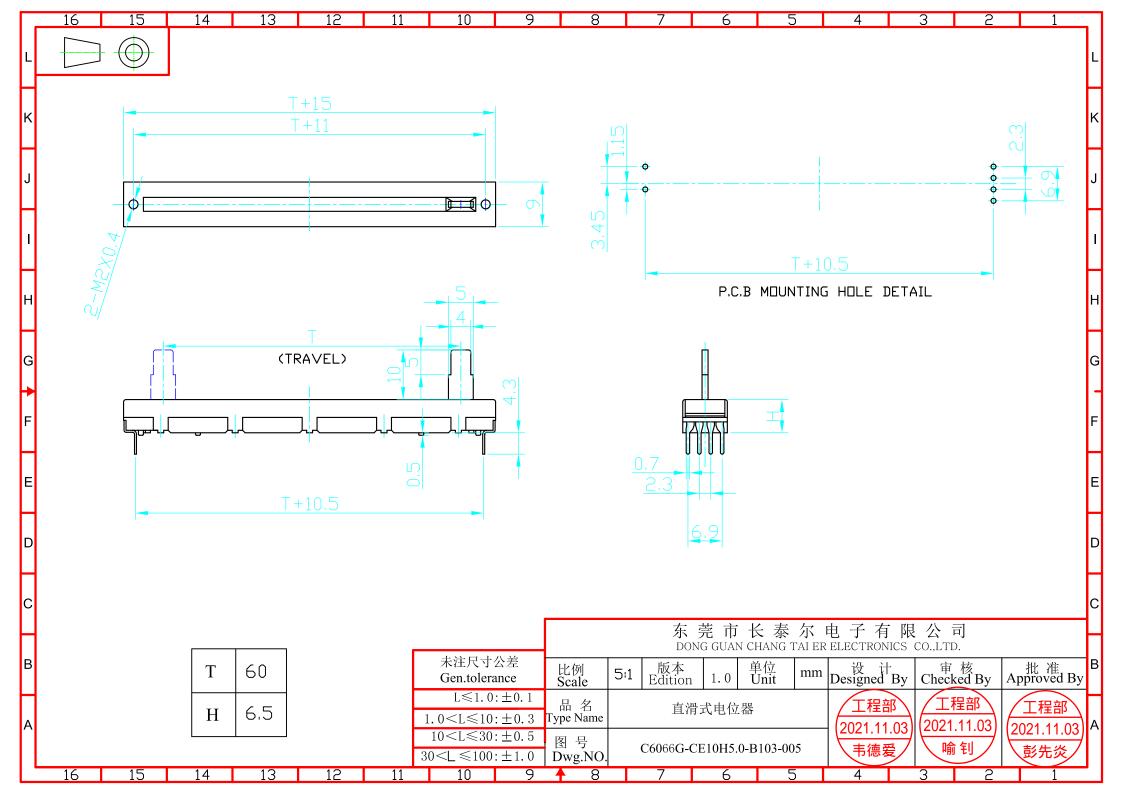
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			<i>L</i> / <i>S</i>
2.10、Gang error 同步误差	The voltage of 2 V r.m.s to 15V r.m.s. Shall be applied between terminals 1 to 3 and between terminals ①to③by meauring frequency at 1KHz. The output voltage shall be measured between terminals 1 and 2 and between terminal①to②(for the 15C and 25C taper. The measurement shall be made between terminals 2 and 3 and between terminals ② and ③)it should be the same standard with the first measuring result. If there is not any doubt about the results this DC. Voltage shall be used as the test volgate 在端子1-3间,①-③间,输入频率1KHz,电压2V-15v的正弦波实效值,测量端子1-2间,端子①-②间的输出电压(适用于15C和25C线型,端子2-3间,②-③间也应测量输出电压)结合第一次的测量结果,应为同一标准,如对测量结果没有质疑,则将此电压作为测试电压值。input impedance of the voltmeter $10M\Omega$ or more.		■ 双联Dual: For volume contract音量用 -40~0dB ±3dB or less ≤ ±3dB
		ERISTICS机械特性	
3.1、Total travel slide 全滑动行程	Travel fo effectiv 有效滑动行程	e slide.	60±0.5mm
3.2、Sliding force 滑动力矩	Rotational speed 旋转速度 S	standard atmospheric conditions 常温5°C至35°C	10~80gf
	20mm/sec	Starting force 始动力	Operating force +100gf MAX
3.3、Shaft stop strength 止档强度	aft stop A static load of 5Kgf shall be applied at the point 5mm from top surface of the lever ength for both ends in the direction of lever travel for 10 sec.		Electrical characteristics shall be satisfied with specification 电气性能符合规定要求
3.4、Shaft push pull strength 柄推拉强度	with axial direction	c load of 5Kgf shall be applied to the shaft in vertical ons for 10±1 seconds .(After fixation). 的端面方向加5Kgf并保持10±1秒。	Shaft without damage,ratational torque without abnormality.Electrical characteristics shall be satisfied with spec 轴无破损,旋转无异常。
	A torsion moetnt	of 250gf.cm shall be applied at the lever in a direction	Less than 2(2*L/20)mm
3.5、Lever wobble 柄摆动		the axial direction and then the deisplacement shallbe measured. E与柄末端往下处施加250gf.cm静载荷。	L is the length between mouting surface L: 固定面到测试点的距离
3.5、Lever inclination and tortion 杆的倾斜和扭转	nd tortion		shall be less than 2.
3.6、Distance from the center of the lever 把柄之偏心	After sliding lever as far as it will go in each direction,the distance form the center of th lever to the middle of the mounting screw hole shall be measure at the both ends 把柄对固定孔中心作单侧测定		ne 0.5mm or less on each end 单侧0.5mm以下
A static load of 0.5kgf shall be applied to the terminals for 10s in any direction (After soldering) 在任一方向施加0.5kgf负荷10秒钟		-	Without functional problem because of rickety terminals or poor contact 功能无 问题且端子无明显的接触不良
4 ENDURANCE	CHARACTE	CRISTICS耐久性能	
4.1、Solder ability 焊锡性	The terminals sha humidity of 90~9 温度40°C,湿度 The terminals sha	all be stored at a temperature of 40°C with relative 5%.and measured in 168h. 590~95%RH, 168小时测定。 all be immersed into solder bath at 260±5°C for 3±0.5s. 温度的焊锡槽内浸锡3±0.5秒.	A new uniform coating of solder shall cover 75% minimum of the surface being immersed. 浸渍面须有75%以上焊锡付着.
4.2、Resistance to soldering heat 焊锡耐热性	Method Soldering Application time Subjected to be so thickness, Do not 使用基板: T=1. Solder flux:Flux apparatus shall be half thickness of 助焊剂: 使用发位置,而且助剂 Preheating:Surfaminutes. 预热: Wave Soldering?	g 手焊条件: Bit temperature 温度350±10°C of soldering 时间: within 3 s	外观无变形,端子无松动.

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4.3Resistance to heat 耐热性	The potentiometer shall be stored at a temperate 240±8h in a thermostatic chamber. Then the position measured after maintaining at standard atmost in order to remove surface moisture. 温度70±2°C恒温槽中240±8小时放置后置于滴后测定。	otentiometer shall be pheric conditions for 1h,	Change in total resistance is relative to the value before test: +5/-30% 总阻变化值:初期值+5/-30%		
4. 4、Resistance to cold 耐寒性	The potentiometer shall be stored at a temperate 4h in a thermostatic chamber. Then the potentic out of the chamber and its surface moisture shad and measure the potentiometer which shall be atmospheric conditions for 1h. 温度-30±2°C恒温槽中96±4小时放置后,置水滴后,1小时内测定。	Change in total resistance is relative to the value before test: ±20% 总阻变化值: 初期值的±20%			
4.5、Damp heat 耐湿性	The potentiometer shall be stored at a temperate relative humidity of 90% to 95% for 96±4h in Then the potentiometer shall be taken out of the moisture shall be removed and measure the postess be subjected to standard atmospheric condition 温度40±2°C,湿度90-95%,恒温恒湿槽中放置常湿1小时除去水滴后,1小时内测定。	a thermostatic chamber. The chamber and its surface tentiometer which shall as for 1h.	Change in total resistance is relative to the value before test +35/-5% 总阻变化值:初期值的+35/-5% Noise: 150mV p-p less than 转动噪音: 150mV p-p 以下		
4.6、Change of temperature 温度循环试验	The potentiometer shall be subjected to 5 succe temparature cycles, each as shown in table belo shall be removed. And measure the potentiom subjected to standard atmospheric conditions f 以下条件温度连续5个周期的试验后,置于常除去水滴后,1小时内测定。 Temperature 温度 1	ow. surface moisture eter which shall be for 1 hour.	Change in total resistance is relative to the value before test:±20% 总阻变化值:初期值的±20% Rotational noise: 150mV p-p less than 转动噪音: 150mV p-p 以下 Dielectric strength: with out damage to parts arcing or breakdown etc. 耐电压:无损伤,变形,绝缘破坏等情形. Appearance: There shall be no daformation or cracks of molded part. 外观:塑胶部分无形成破裂		
4.7、Endurance 耐久性	The moving contact, without electrical load, shall be rotated from one end stop to the other and returned to its original position exceeds 90% of effective angle。 This procedure constitutes 1 cycle. Endurance And the moving contact shall be subjected to 600 cycles per hour. Change in total resistance is relative to the value before test: ±15% 总阻变化值:规格值的±15% Rotational noise: 150mV p-p less than 转动噪音: 150mV p-p 以下				
Version number 片 REVISION变更记事	DSGD.主办 CHK	长泰尔电 (D.审查 APPD.核准 程部 工程部	子有限公司 TITLE 标题:		
		1.11.03	C6066G POTENTIOMETER C6066G 电位器		



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阻抗变化特性 Resitance tapers

