

东台市亨利通电子元器件有限公司
Dongtaishi Henglitong Electronic Components Co.,Ltd

产品说明书 Product Manual

产品名称 NAME	16mm电位器	16mmControlpotentiometer
产品型号 MODLE	PC16	
电气参数 Electrical		
阻值范围ResistanceRange	1K Ω -1M Ω	
阻值误差ResistanceTolerance	$\pm 20\%$ Standard	
残留阻抗EndResistance	<3 Ω	
阻值变化规律ResistanceTaper	A=Log (JIS)、B=Linear (JIS)、C=Alog (JIS)	
线性精度IndependentLinearity	$\pm 3\%$	
额定功率PowerRating	0.2W (40 $^{\circ}$ C) 0W (70 $^{\circ}$ C)	
接触电阻变化PeakNoise (C. R. V.)	<2%Rn	
耐电压DielectricStrength	1000V 1minute	
有效电气行程AdjustmentTravel	280 $^{\circ}$	
绝缘电阻InsulationResistance	100M 500VDC	
分辨率Resolution	无限大Essentiallyinfinite	
最大工作电压MaximumInputVoltage	200VDC	
环境参数 Environmental		
存储温度StorageTemperatureRange	-25 $^{\circ}$ C ~ +70 $^{\circ}$ C	
使用温度OperatingTemperatureRange	-25 $^{\circ}$ C ~ +70 $^{\circ}$ C	
温度系数Temperaturecoefficient	500ppm/ $^{\circ}$ C	
电气耐久性LoadLife	1, 000h@40 $^{\circ}$ C; 0.2W $\Delta R/R \leq \pm 10\%$	
旋转寿命RotationalLife	25, 000次 $\Delta R/R \leq \pm 7\%$	
IP防护等级IPRange	IP30	
耐焊接热SolderingHeatResistance	(350 $^{\circ}$ C 3S) $\Delta R/R \leq \pm 2\%$	
热循环TemperatureCycle	(-25 $^{\circ}$ C、+85 $^{\circ}$ C 30min/each、5cycles) $\Delta R/R \leq \pm 10\%$	
振动Vibration	10-55Hz, 1.5mm振幅amplitude, 3方向directions $\Delta R/R \leq \pm 5\%$	
机械参数 Mechanical		
尺寸SIZE	见附图SEEDRAWING	
机械行程MechanicalTravel	300 $^{\circ}$	
旋转力矩ShaftTorque	50 ~ 150gf · cm	
止挡力矩StopStrength	>40N · cm	
锁紧力矩MountingNutTorque	8Kgf · cm	
轴跳动ShaftRunout	0.15mm	
轴端间隙ShaftEndPlay	(出轴长度shaftlength30mm) 0.15mm	
径向间隙ShaftRadialPlay	0.15mm	
轴的推力ShaftStrength (push)	125 N (12.75 kgf) min.	
轴的拉力ShaftStrength (tensile)	125 N (12.75 kgf) min.	
标记Marking	Resistance	
配件Hardware.	平瓦、锁紧垫片、螺母Washer、Lockwasher、Nut	
开关参数 Switch Specifications		
额定电流Noninalcurrent	1A, 50VAC	
接触电阻ContactResistance	10m Ω	
起动力矩Operatingtorque	3N · cm	
工作角度Operatingangle	10 $^{\circ}$	
测试电压TestVoltage	500V	