



Model: OM 40-1

45mm 行程直划式导电塑料电位

45mm Travel Precision Conductive Plastic Slide Potentiometer

电气参数 Electrical Characteristics :

阻值范围 Resistance Range	1KΩ~1MΩ
阻值允许误差 Tolerance of resistance	±5% Precision, ±10% Standard
残留阻抗 End Resistance	<3Ω
电值规律 Resistance(Law) taper	B (JIS 直线 JIS Linear)
线性精度 Independent Linearity	±3%
额定功率 Power Rating	0.25W (40℃) 0W (70℃)
接触电阻变化 Peak Noise (C.R.V)	<2%Rn
耐电压 Dielectric Strength	1000V 1minute
有效电气行程 Adjustment Travel	40mm
绝缘电阻 Insulation Resistance	10M 250V
分辨率 Resolution	无限大 Essentially infinite
最大工作电压 Maximum Input Voltage	500 VDC

环境参数 Environmental Characteristics :

储藏温度 Storage Temperature Range	-25℃~+70℃
使用温度 Operating Temperature Range	-25℃~+70℃
温度系数 Temperature coefficient	500ppm/℃
电气耐久性 Load Life	1,000 h @ 40℃ 0.25W $\Delta R/R \leq \pm 10\%$
滑动寿命 Sliding Life	20,000 次 times $\Delta R/R \leq \pm 7\%$
IP 防护等级 IP Range	IP30
耐焊接热 Soldering Heat Resistance	(350℃ 3S) $\Delta R/R \leq \pm 2\%$
热循环 Temperature Cycle	(-25℃、+85℃ 30min/each、5cycle) $\Delta R/R \leq \pm 10\%$
振动 Vibration	10-55 Hz, 1.5mm 振幅 Amplitude, 3 方向 directions $\Delta R/R \leq \pm 5\%$

机械参数 Mechanical Characteristics :

尺寸 Size	见附件 See Drawing
机械行程 Mechanical Travel	45mm
滑动力 Operating Force	100 gf
止挡力 Lever stopper strength	1 Kgf
标记 Marking	Resistance 电阻值



标准尺寸 Standard Dimensions :

