



独立线性度高、体积小 Improved linearity, small in size

伺服安装 Servo installation

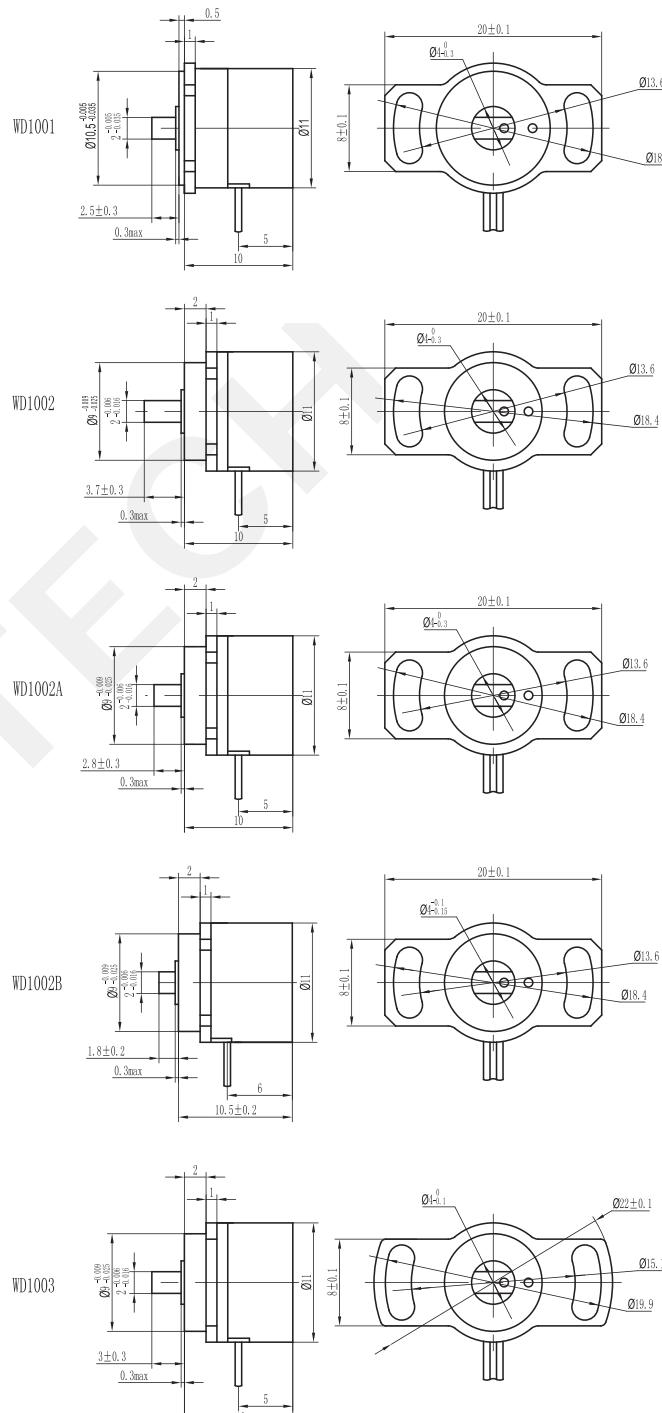
应用于军事、航空、工业等领域 Used in military, aviation, industrial and other fields

WD10 型精密导电塑料电位器 (角位移传感器)**WD10 Precision conductive plastic potentiometer (Angular position sensor)****■适用标准 Applicable Specifications**

GJB 1865-1994 非线绕精密电位器总规范
Q/RU 487-2015 WD10 型精密导电塑料电位器详细规范

■电特性 Electrical Characteristics

标称阻值范围 Range of nominal resistance	1kΩ~5kΩ
阻值允许偏差 Resistance tolerance	±10%
绝缘电阻 Insulation resistance	R _i ≥1GΩ(500VDC)
独立线性度 Independent linearity	≤±0.5%
输出平滑性 Output smoothness	≤0.1%
介质耐电压 Dielectric withstand voltage	500VAC, 1min
有效电行程 Effective electrical travel	60°±5° (WD1001、WD1002)、 75°±5° (WD1003)、 100°±5° (WD1002A、WD1002B)

■外形尺寸图 Dimensions**■环境特性 Environmental Characteristics**

额定功率 Power rating	0.1W@70°C, 0W@125°C
温度范围 Temperature range	-55°C~125°C
温度冲击 Thermal shock	-55°C~125°C, 5次循环; ΔR≤±10%R
低温工作 Low temperature operation	-55°C, 4h; ΔR≤±5%R
低温试验 Low temperature test	GJB 1865-1994中4.6.23, -55°C; Δ(U ₁₂ /U ₁₃)≤±0.75%
冲击 Shock	GJB 1865-1994中4.6.25, 无大于0.1ms的瞬时电气间断
加速度 Acceleration speed	GJB 360B-2009, 方法212, 试验条件A, 20g, 1min; ΔR≤±2%R
随机振动 Random vibration	GJB 360B-2009, 方法214, 试验条件II, E项, 三轴向各5min; ΔR≤±2%R, 无大于0.1ms的瞬时电气间断
高温寿命 High temperature life	125°C, 1000h; Δ(U ₁₂ /U ₁₃)≤±0.75%
旋转负荷寿命 Rotational load life	GJB 1865-1994中4.6.21.1, 20万圈; ΔR≤±10%R
耐湿 Moisture proof	GJB 1865-1994中4.6.28 (步骤7b不做); R _i ≥10MΩ或R _i ≥100R (取较大者), ΔR≤±10%R

■订货指南 Ordering Information

WD1002B-2kΩ-K-±0.5%-100

型号Type-标称阻值Nominal resistance-允许偏差Tolerance-独立线性度Linearity-有效电行程Effective electrical travel