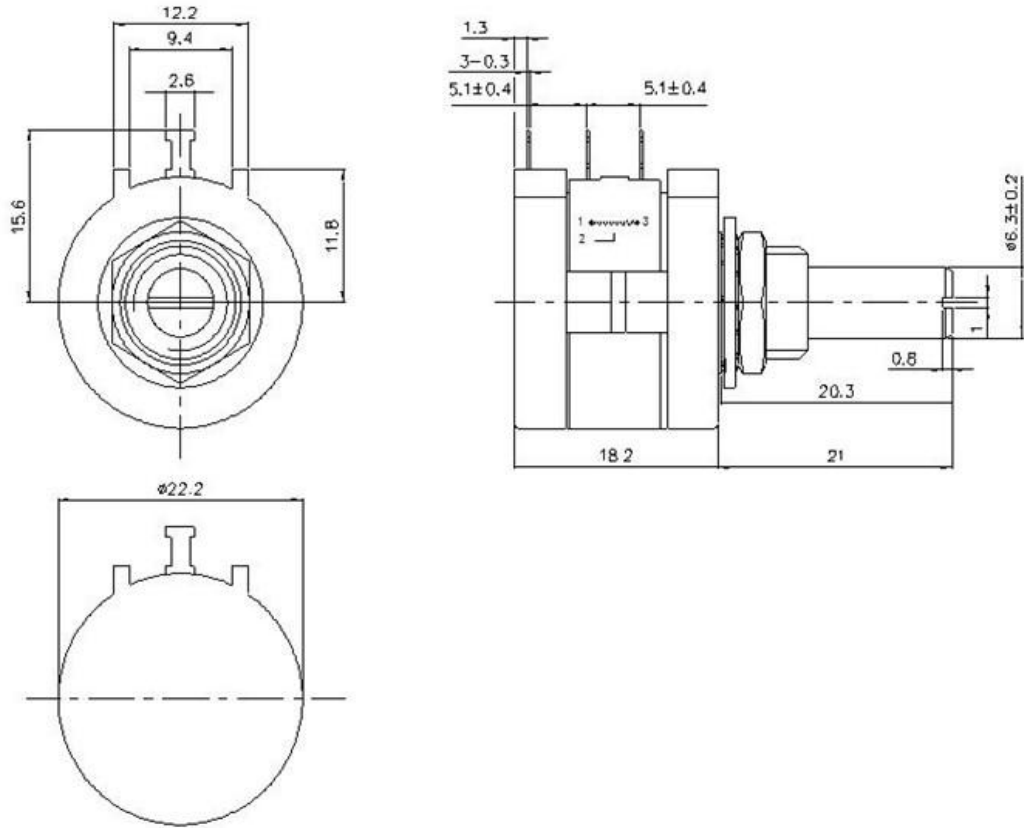


WXD3590 wirewound 10 turns potentiometer

Wxd3590S drawing:



Pictures:



Material for shaft&sets:

Aluminum shaft&set	Aluminum shaft&steel set	aluminum shaft&copper set	Steel shaft&Aluminum set
			
Steel shaft&copper set	steel shaft&steel set	copper shaft&aluminum set	copper shaft&copper set
			
Flat shaft	Plastic shaft&set	10 turns knob	15 turns knob
			

Parameters:

	Range of nominal resistance	100~100KΩ
	Resistance tolerance	±2%, ±5%
	Terminal resistance	≤2%R or 5Ω
Electrical Characteristics	Linear accuracy	±1%, ±0.5%
	Electrical angle	3600°±10°
	Insulation resistance	≥ 200MΩ
	Withstand voltage	500V (DC or AC peak value)
Environment	Rated power	

Characteristics		2W (70°C)
	Temperature range	-55°C~+125°C
	TCR	$\pm 100 \times 10^{-6}/^{\circ}\text{C}$
	Temperature shock	$\Delta R \leq \pm 3\%R$
	Collision (390m/S ² , 4000 times)	$\Delta R \leq \pm 1\%R$
	Moisture proof (GJB306A-96-Method106, not for 7a, 7b inapplicability)	$\Delta R \leq \pm 3\%R$, Insulation Resistance $\geq 100\text{M}\Omega$
	Vibration (10-500HZ, 0.75mm, 6h)	$\Delta R \leq \pm 1\%R$, Electrical break $\leq 100\mu\text{S}$
	Rotational life(10000cycles)	$\Delta R \leq \pm 3\%R$, peak noise $\leq 500\Omega$, Starting Torque $\leq 20\text{mN.m}$
	Electrical endurance (70°C, 2W, 1000h)	$\Delta R \leq \pm 3\%R$
	Steady damp heat (IEC68-2-3, Ca, 96h)	$\Delta R \leq \pm 3\%R$, Insulation Resistance $\geq 100\text{M}\Omega$, Starting Torque $\leq 20\text{mN.m}$
	Total mechanical travel	$3600^{\circ} \pm 10^{\circ}$
Physical Characteristics	Rotational torque	2~10mN.m
	Stopper torque	$\geq 300\text{mN.m}$