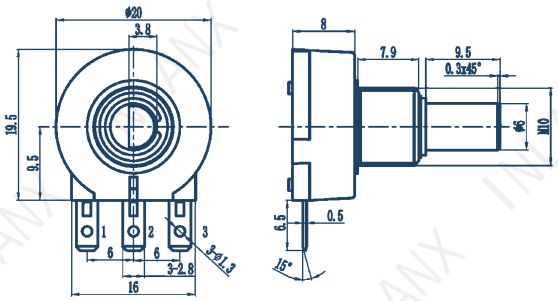
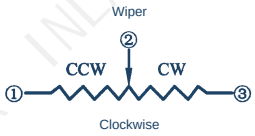
PC260 Precision Cermet Potentiometer

Outline Dimensions • mm





Circuit Diagram



Electrical Characteristics

Parameter	Specification
Nominal resistance	4.7 kΩ to 100 kΩ
Resistance tolerance	±10%
Limiting voltage	300 V
Dielectric withstand	450 VAC at normal atmospheric pressure
Electrical travel	250°±5°
Mechanical travel	280°±5°
Terminal resistance	≤2%R or 10 Ω, whichever is greater
Contact resistance variation	CRV≤3%R

Physical Characteristics

Parameter	Specification
Starting torque	3 to 15 mN·m
Marking	Trademark, model, nominal resistance, date code, terminal style
End-stop torque	≤300 mN·m
Mounting	Bushing mounting

Nominal Resistance • Ω

4.7k	5k	10k
20k	50k	100k

Environmental Characteristics

Rated power	Temperature range	Temperature coefficient
2 W @ 70℃; 0 W @ 125℃	-40℃ to +125℃	≤±250 × 10^-6/K

Main Inspection Items

Item	Conditions and Requirements
Damp heat, steady state	GB/T 15298-1994, 4.39; no visible damage, flashover or breakdown; ΔR≤±(2%R+0.1 Ω); insulation resistance ≥100 MΩ.
Vibration	GB/T 15298-1994, 4.35, Procedure B4; 10 Hz to 1 kHz, 0.75 mm amplitude or 10 g, 6 h; no visible damage or continuous electrical discontinuity; ΔR≤±(0.5%R+0.05 Ω); Δ(Uab/Uac)≤±1%.
Shock	GB/T 15298-1994, 4.37; 100 g, 6 ms; no visible damage; ΔR≤±(0.5%R+0.05 Ω).
Climatic sequence	GB/T 15298-1994, 4.38; no visible damage or continuous electrical discontinuity; ΔR≤±(2%R+0.1 Ω); insulation resistance ≥100 MΩ; CRV≤5%R.
Mechanical endurance	GB/T 15298-1994, 4.40; 50000 revolutions; no mechanical damage; CRV≤5%R; ΔR≤±(2%R+0.1 Ω).
Electrical endurance	GB/T 15298-1994, 4.43; 2 W, 70℃, 1000 h; ΔR≤±(2%R+0.1 Ω).

Applicable standards: grade J; detail specification Q/RU 404-2010; generic specification GB/T 15298-1994.

Ordering Information

PC260 - 5K - K

Model / Nominal resistance / Tolerance K (±10%)