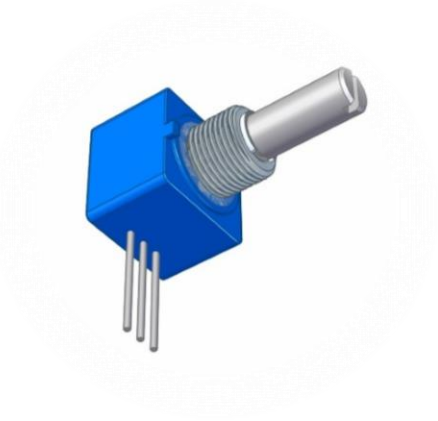
Cooka (Zhongshan) Technology Co., Ltd.

- 16mm diameter
- PCB Carbon element
- 500,000 cycles life
- ±2% precision linearity
- Water resistant(IP65,IP67)



EVP16 16mm Potentiometer Specification

Electrical

Standard Resistance Range . . . . . .1kΩ~100kΩ

Resistance Tolerance . . . . . 10% standard

End Resistance . . . . . 30Ω max.

Resistance Taper . . . . . linear

Linearity . . . . . ±2%

Noise (C.R.V.) . . . . . .300 mV

Power Rating . . . . . 0.25 watt at 40℃, 0 watt at 70℃

Maximum Input Voltage . . . . . 50VDC Max.

Insulation Resistance . . . . . 100MΩ minimum at

Mechanical

Mechanical Angle . . . . . .300°, 360°

Operation Torque. . . . . .50 gf•cm Max.

Stop Strength . . . . . .9 kgf•cm Min.

Shaft Strength (push) . . . . . .12.75 kgf Min.

Shaft Strength (tensile) . . . . . .12.75 kgf

Environmental

Working Temperature . . . . . -30℃ to 80℃

Storage Temperature . . . . . -40℃ to 85℃

Durability Test

Temperature Characteristics Test . . . . . 85℃, 5 hours

ΔT/R ≤±10%

Temperature Cycle Test . . . . . -40℃, 85℃,30 minutes each, 5 cycles

ΔT/R ≤±10%

Load Life Test. . . . . 40℃, 0.25 watt, 1,000 hours

ΔT/R ≤±10%

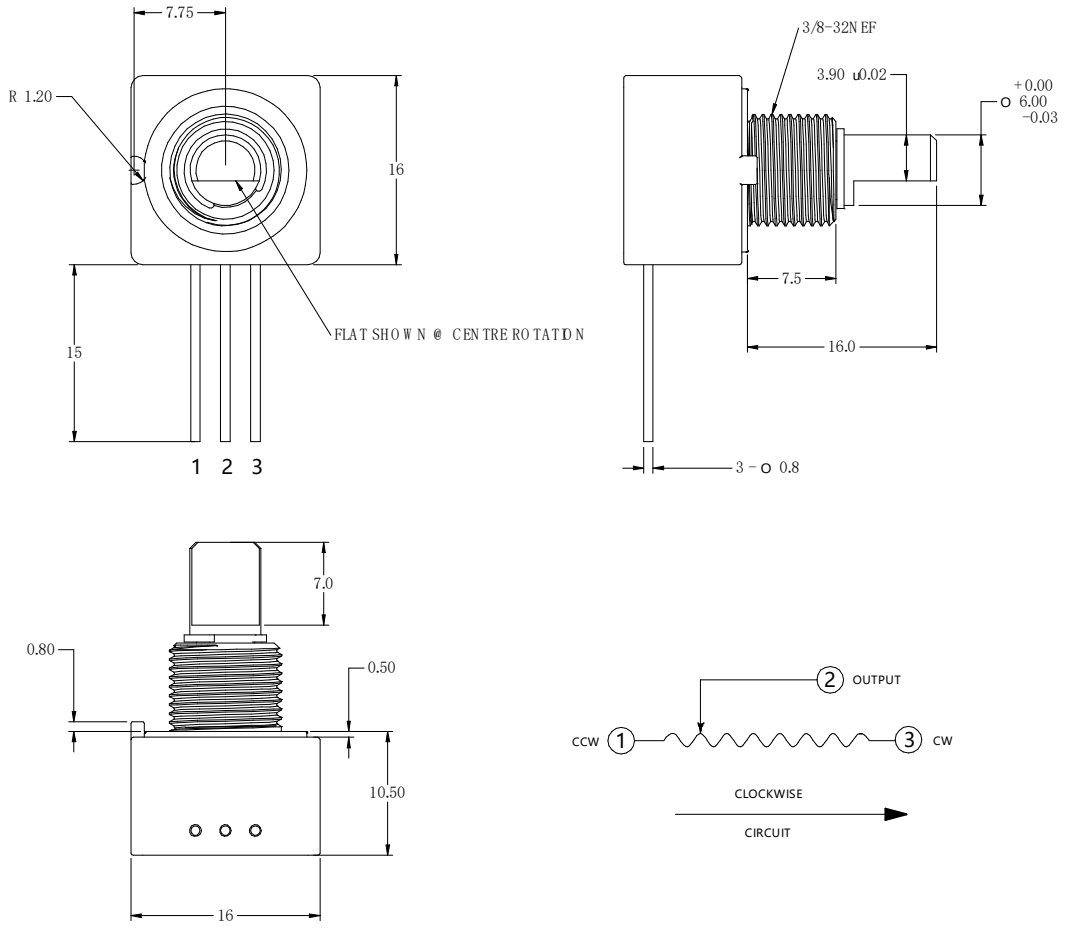
Moisture and Load Life Test . . 40℃, 90-95%RH,0.25 watt, 500 hours

ΔT/R≤±10%

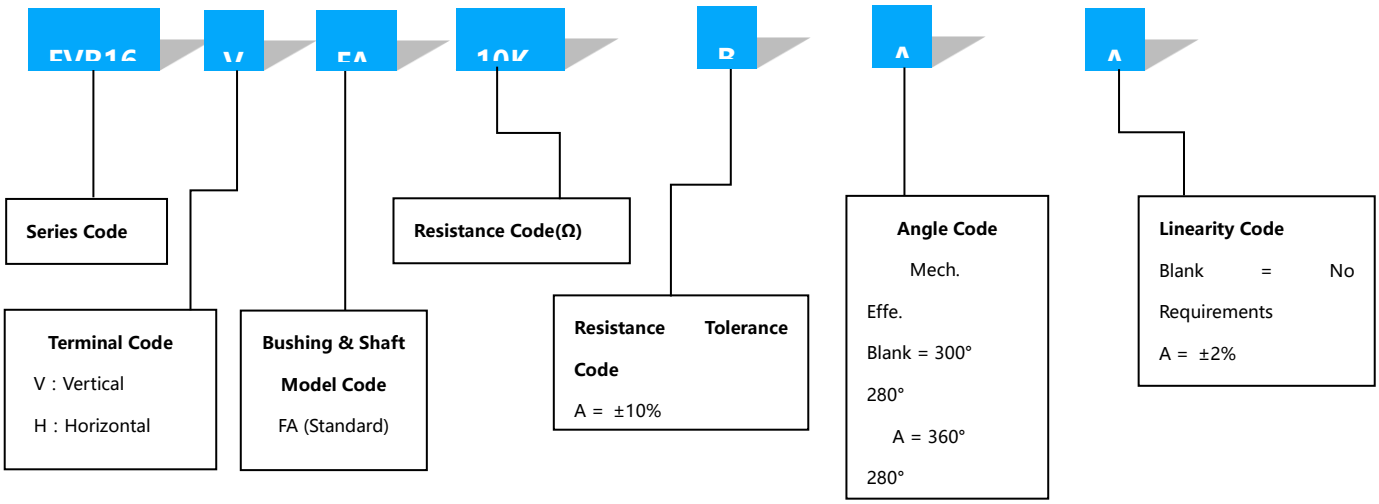
Vibration Test . . . . . 10-55Hz, 1.5mm amplitude, 3

V Type:

Unit: mm



EVR16 Series Part Numbering System



FA: FMS 16mm, Bushing 7.5mm, Flat 7.0mm (Length) *3.9mm(Thickness)

SA: FMS 20mm, Bushing 7.5mm , Slot 1.6mm(Depth)*1.2mm(Width)

SB: FMS 20mm, Bushing 10mm，Slot 1.6mm(Depth)*1.2mm(Width)

SC: FMS 22.2mm, Bushing 7.5mm, Slot 1.6mm(Depth) 1.2mm(Width)