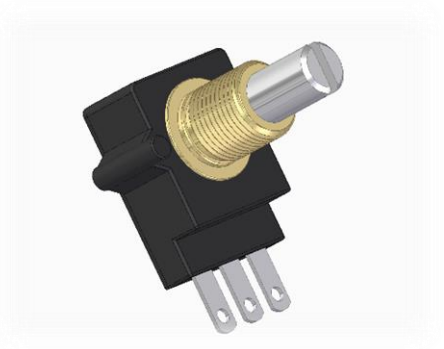
cooka

QUALITY, INNOVATION AND

- 16mm diameter
- FR4 Carbon element
- 1,000,000 cycles life
- ±2% precision linearity
- Water resistant



CRS16 – 16mm Potentiometer Specification

Electrical

Standard Resistance Range . . . . . 200Ω~500kΩ

Resistance Tolerance . . . . . 20% standard

End Resistance . . . . . 20Ω max.

Resistance Taper . . . . . linear

Linearity . . . . . ±2%

Noise (C.R.V.) 200

Mechanical

Mechanical Angle . . . . . 180° , 300°, 312°, 360°

Operation Torque. . . . . .40 gf•cm Max.

Stop Strength . . . . . .12.75 kgf•cm Min.

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

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

Environmental

Working Temperature . . . . . -30℃ to 85℃

Storage Temperature . . . . . -40℃ to 105℃

Durability Test

Temperature Characteristics Test. . . . . 105℃, 5 hours

ΔT/R ≤±10%

Temperature Cycle Test . . . . . -40℃, 105℃,30 minutes each, 5 cycles

ΔT/R ≤±10%

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

ΔT/R ≤±10%

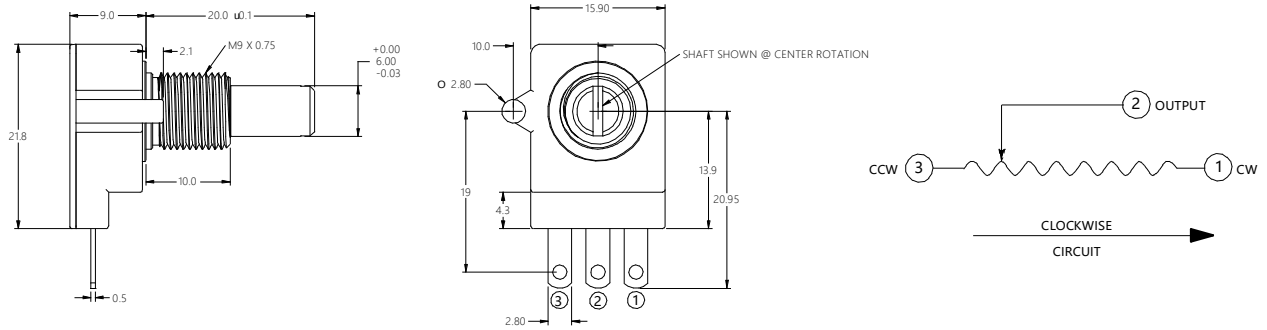
Moisture and Load Life Test . . 40℃, 90-95%RH,0.25 watt, 500 hours

ΔT/R≤±10%

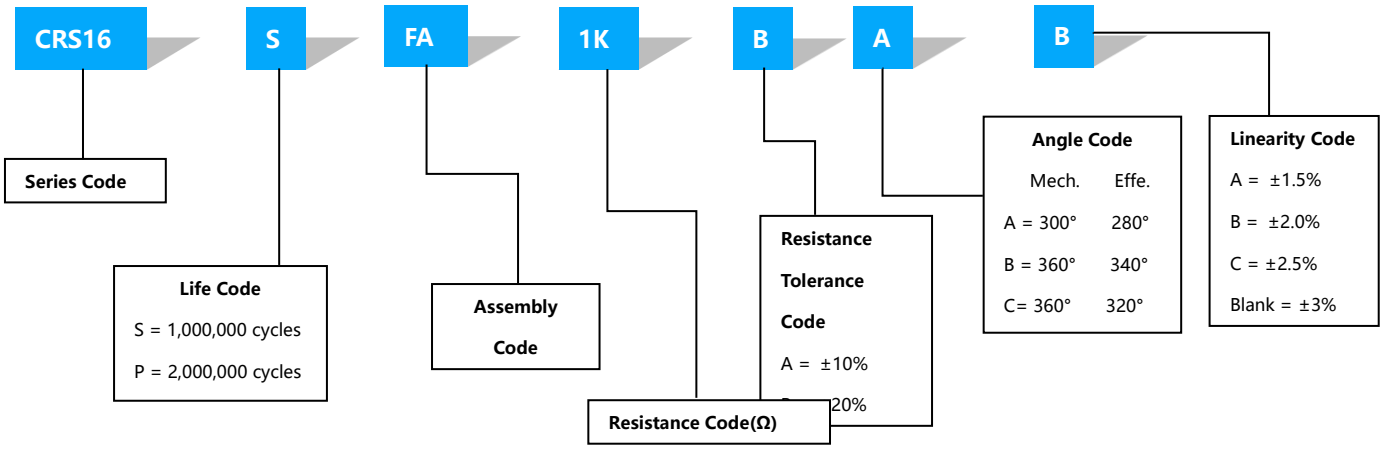
Vibration Test . . . . . 10-55Hz, 1.5mm amplitude, 3 directions

CRS16 Series Product Dimension

Unit: mm



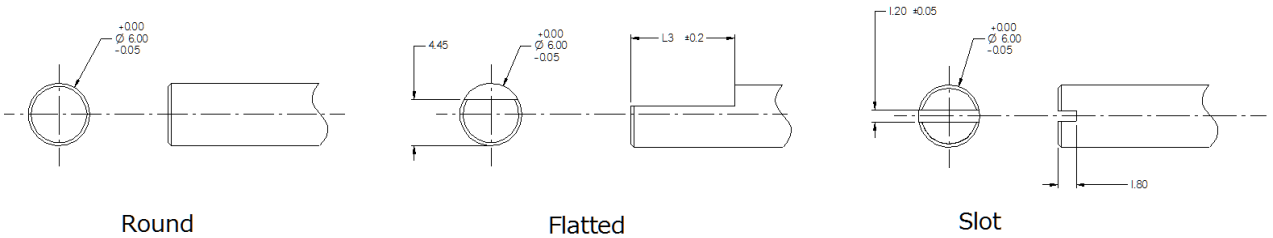
CRS16 Series Part Numbering System



Assembly Code

Assembly Code	FA	FB	FC	FD	SA	SB	SC	SD	RA	RB	RC	RD
Bushing Length	6.35mm	6.35mm	10mm	10mm	6.35mm	6.35mm	10mm	10mm	6.35mm	6.35mm	10mm	10mm
Shaft Type	Flat	Flat	Flat	Flat	Slot	Slot	Slot	Slot	Round	Round	Round	Round
FMS	20mm	25mm	20mm	25mm	20mm	25mm	20mm	25mm	20mm	25mm	20mm	25mm

Shaft Specification



Round Flatted Slot

Note : For Flatted shaft, L3 should be defined as below:

FMS = 20, L3 = 9mm ; FMS = 25, L3 =13mm ; FMS = 30, L3 =15mm