Cooka (Zhongshan) Technology Co., Ltd.

- 60mm/100mm travel lengths
- Carbon base element
- 2,000,000 cycles
- ±2% precision Linearity
- Low noise in operating
- Vertical assembly structure
- Motor actuated function
- High performance conductive film

MSV05 – Long Life Motor Slide Potentiometer Specification

Electrical

Standard Resistance Range 5KΩ, 10kΩ

Resistance Tolerance . . . . . 20% standard

End Resistance . . . . . 30Ω max.

Resistance Taper . . . . . linear

Linearity . . . . . ±2 % max.

Noise (C.R.V.) . . . . . 100 mV

Mechanical

Mechanical Travel 60mm/100mm

Push strength . . . . . 10~600 gf•cm Max.

Stop Strength . . . . . 5kgf•cm Min.

Shaft Strength (push) . . . . . .3 kgf Min.

Environmental

Working Temperature . . . . . -10℃ to 70℃

Storage Temperature . . . . . -20℃ to 85℃

Durability Test

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

ΔT/R ≤±10%

Temperature Cycle Test . . . . . -20℃, 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%

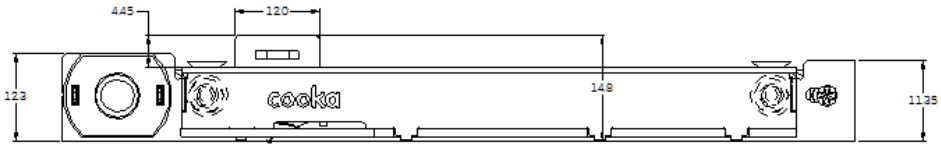
Vibration Test . . . . . 10-55Hz, 1.5mm amplitude, 3 directions

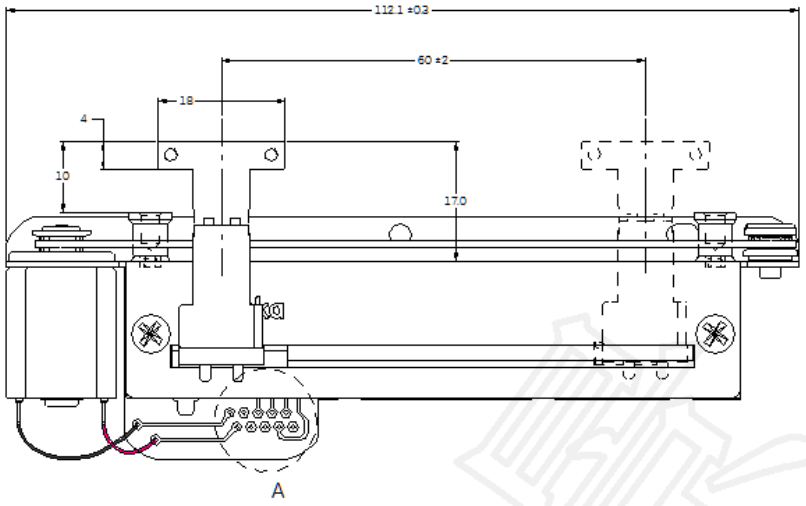
ΔT/R ≤±5%

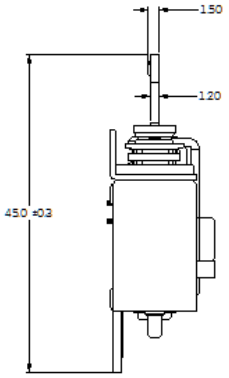
Soldering Heat Resistance Test . . . . . 350℃±5℃, 3 seconds

Unit: mm

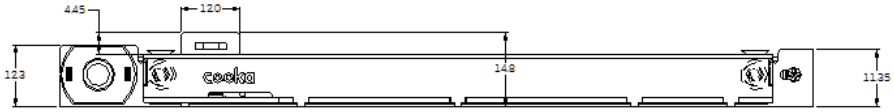
T Type 60mm

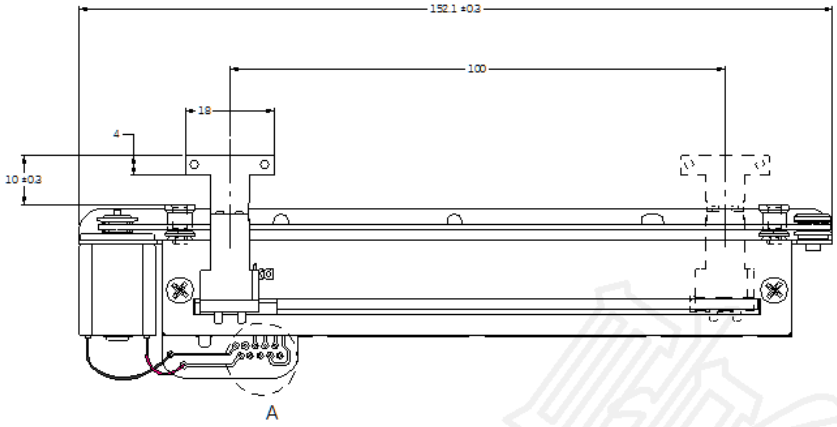


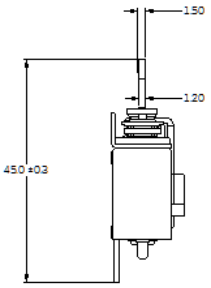




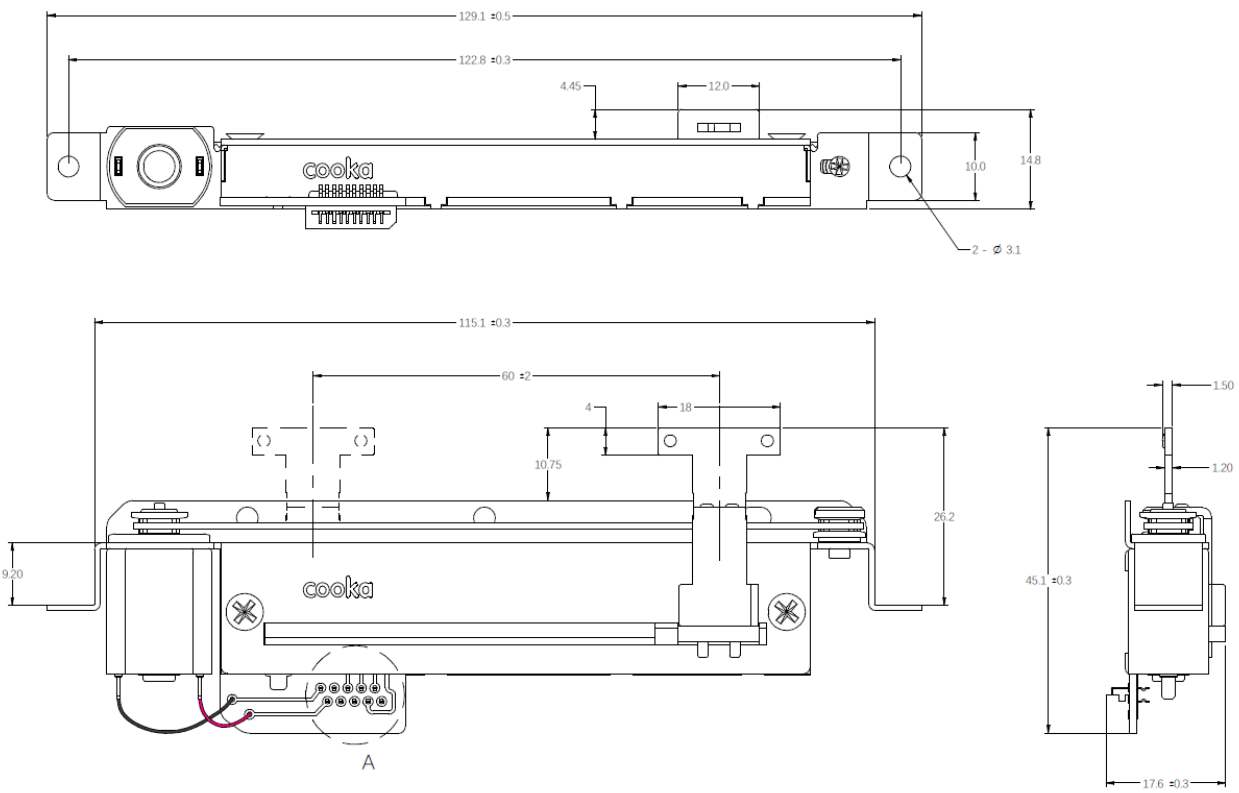
T Type 100mm



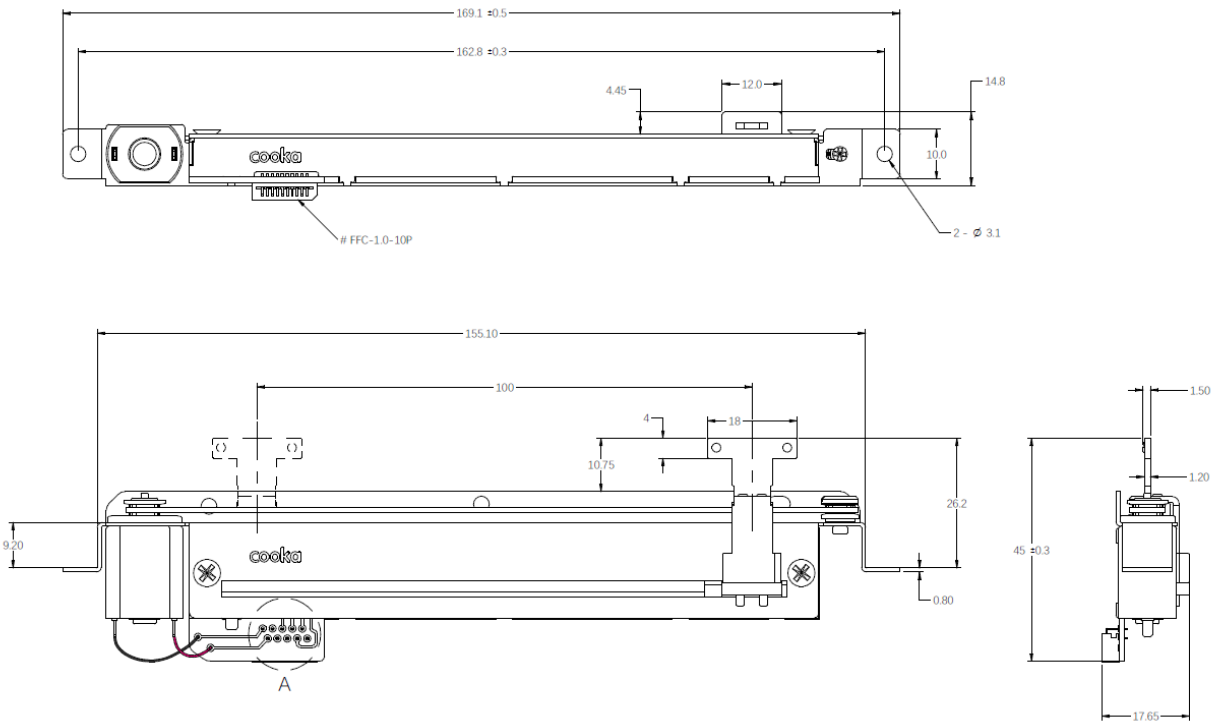




TL Type 60mm

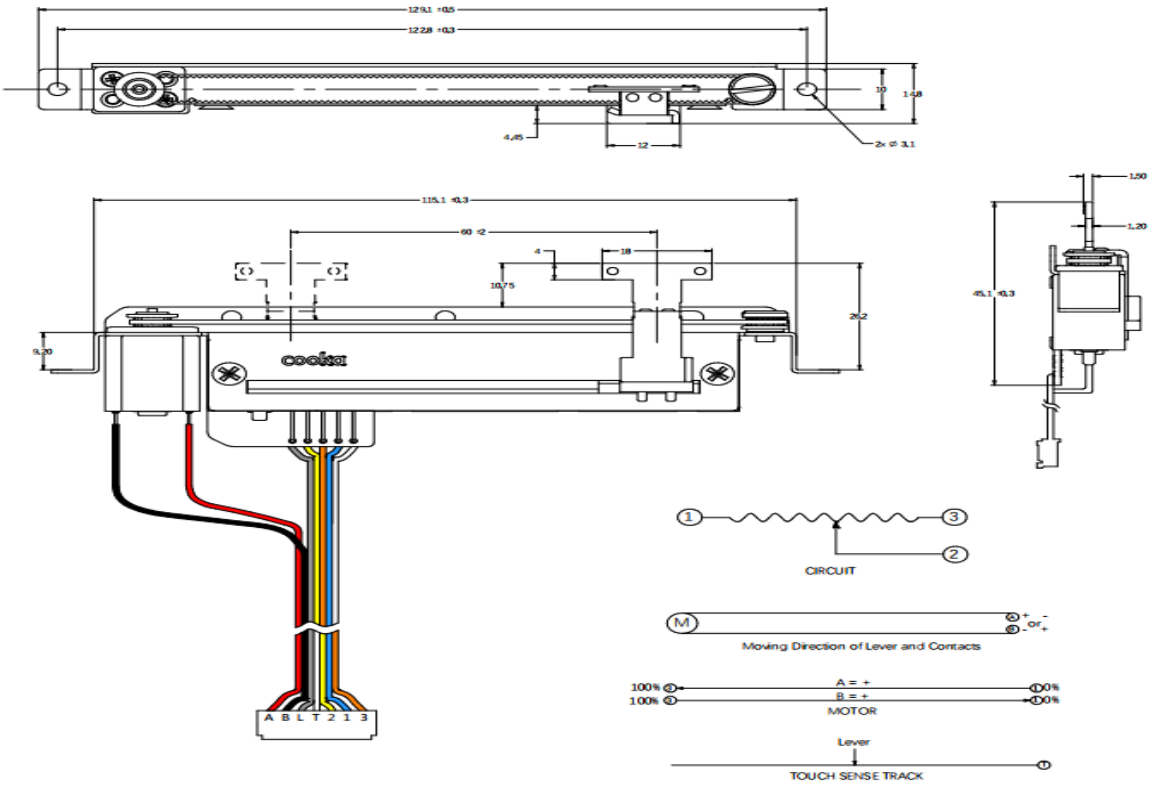


TL Type 100mm



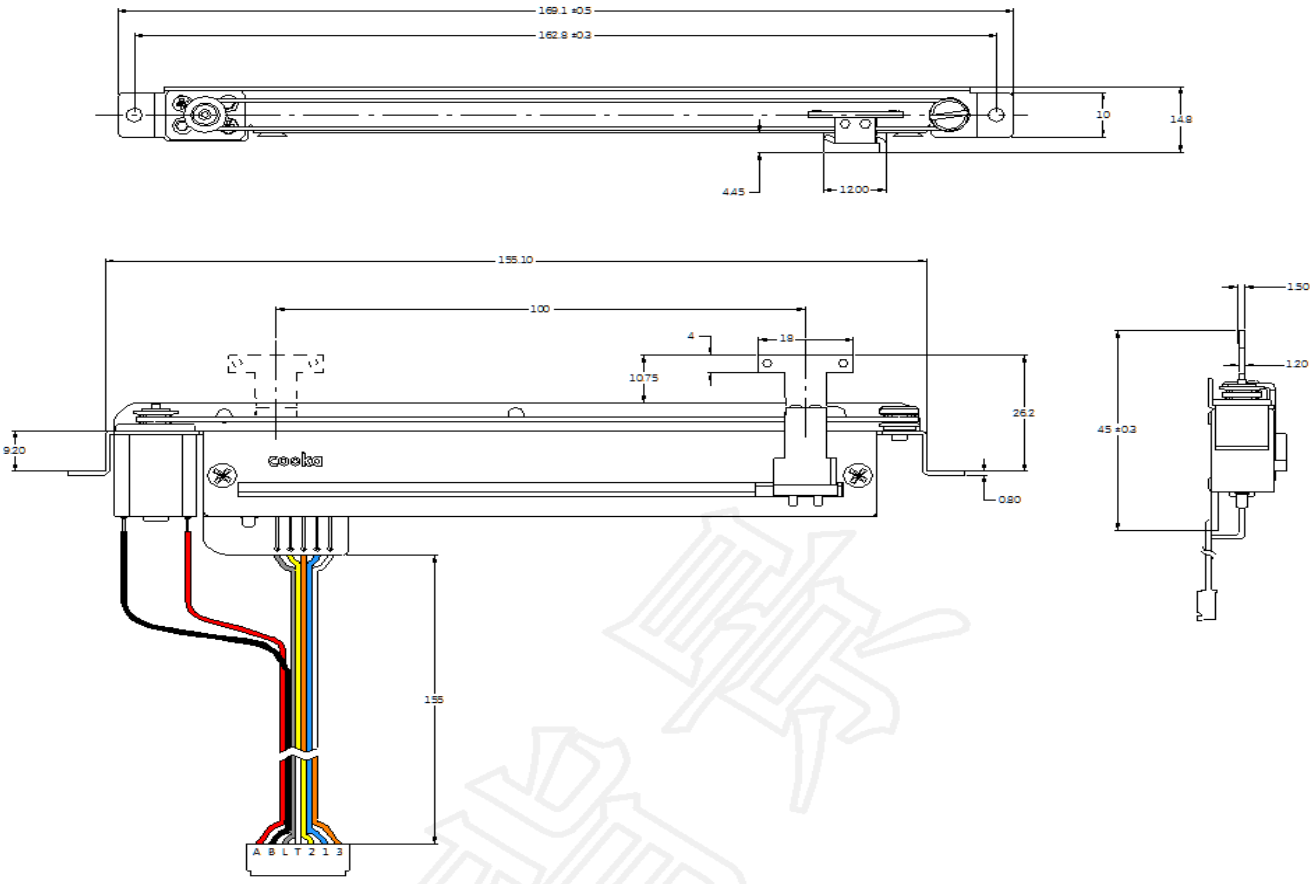
TL Type 60mm

P Connector code

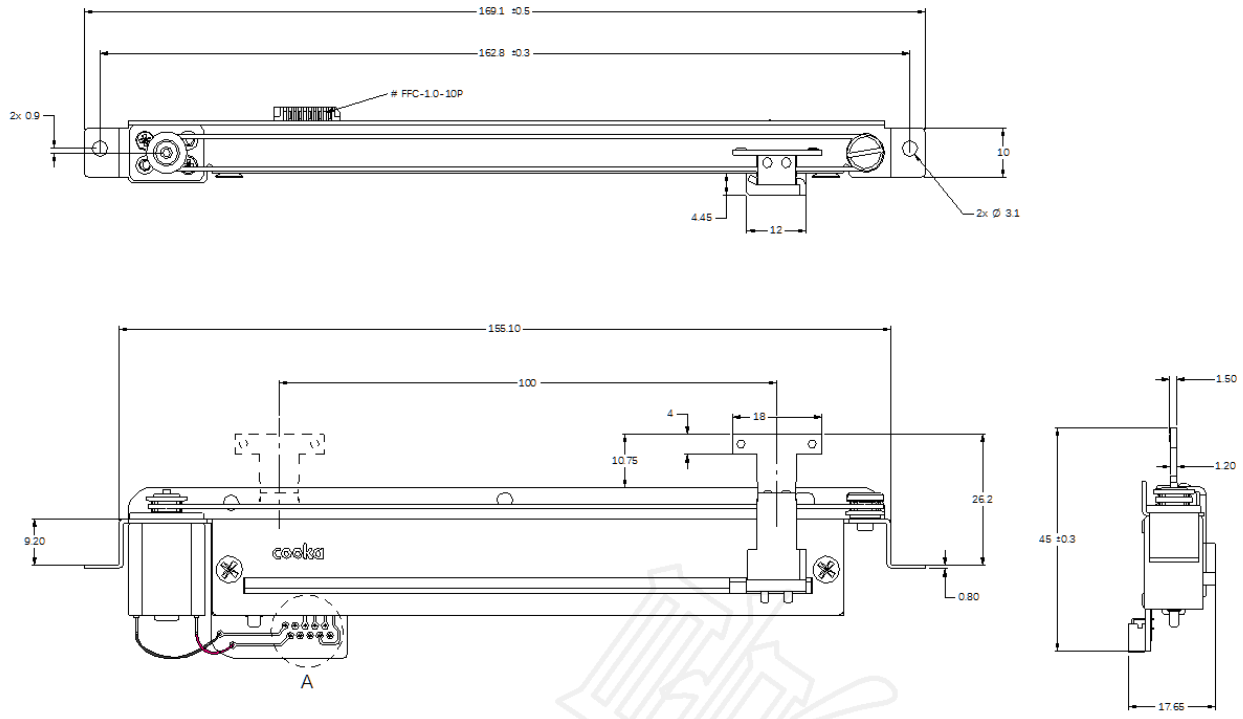


TL Type 100mm

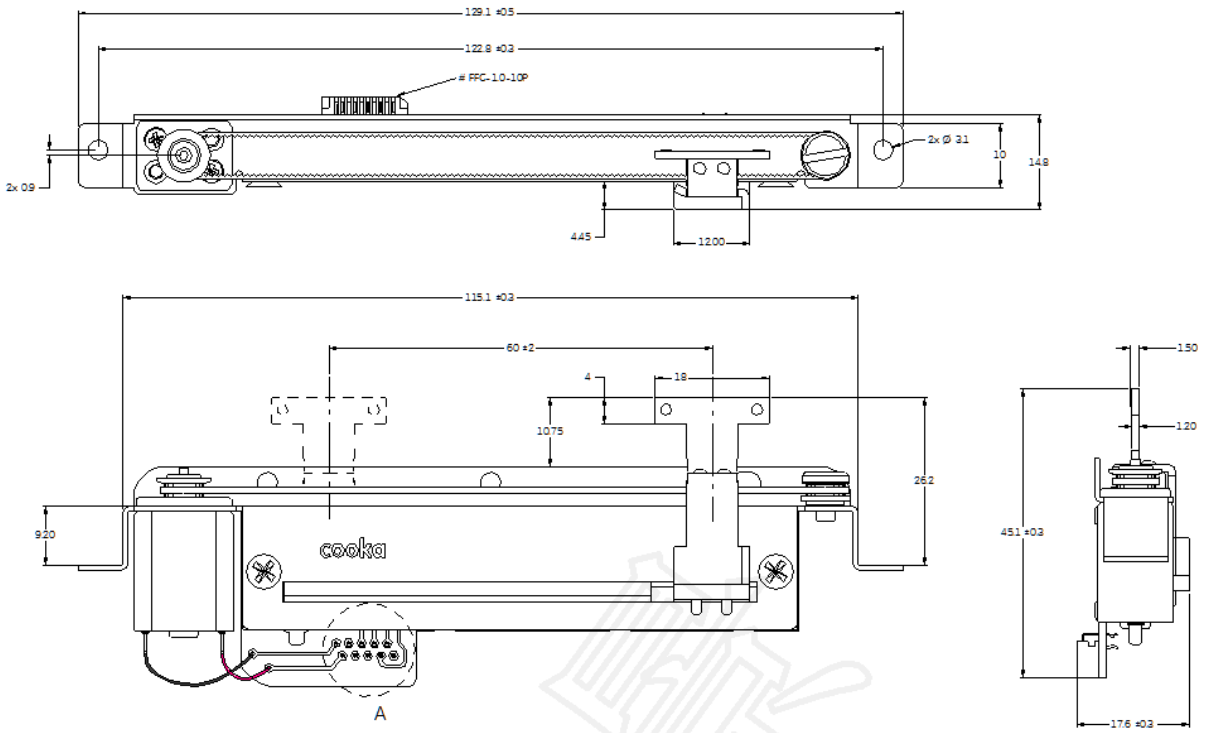
P Connector code



TA Type 60mm



TA Type 100mm



MSV05 Series Part Numbering System

MSV05 | T | 10K | B | 60 | B | L

Series

Shaft Type
T
TL
TA

Resistance Code(Ω)

Resistance Code **Tolerance**
A = ±10%

Travel Length(L)
60 = 60mm

Connector Code
Blank = # FFC-1.0-10P

Life Cycles Code
Blank= 2 million
L = 1 million