

# WS19 Carbon Composition Potentiometer



## Feature

- Hot Molded / Industrial / Sealed
- Locking-Bushing/ Standard-Bushing
- Meet MIL-R-94

## Electrical Characteristics

### Standard Resistance Range

..... A: 100ohm~4M7ohm

..... B/C: 1KΩ~470KΩ

Resistance tolerance ..... ±10%;±20%

Absolute Minimum Resistance..... 15ohms

(for total resistance value of 100 to 820 ohms inclusive)

..... ≤15%

(for total resistance value of 1K to 4700K ohms inclusive)

..... 5%

Contact Resistance Variation ..... ≤5%

Insulation resistance (100VDC) ..... 1000Mohm (min)

### Power Rating

70°C..... A: 1Watt

..... B/C: 0.5Watt

125°C..... .0Watt

Limit voltage..... A:350V

..... B、C: 250V

Withstand Voltage..... 1300Vdc

## Environmental Characteristics

Temperature Range..... - 55°C to +125°C

Vibration-..... 15G

Shock..... 100G

Load Life at 70°C..... 1000 hours

..... ΔR/R≤±10%

### Rotational Life

Standard---Bushing Type..... 25000cycles

Locking ----Bushing Type..... 500cycles

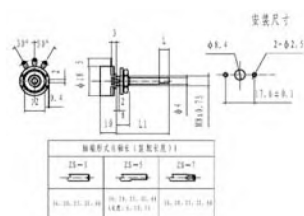
## Mechanical Characteristics

Total mechanical travel ..... ≥290°

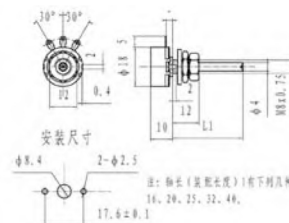
Starting torque ..... 4~25mN·m



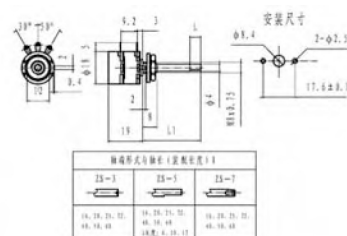
WS19-1



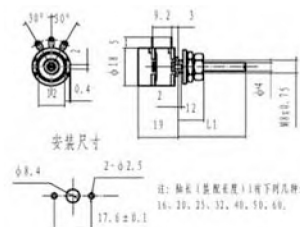
WS19-2



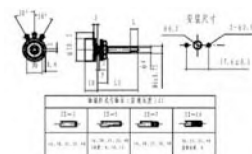
WS19-3



WS19-4



WS19-1A



WS19-1F

