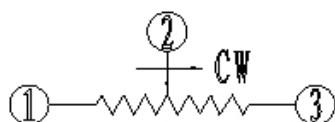
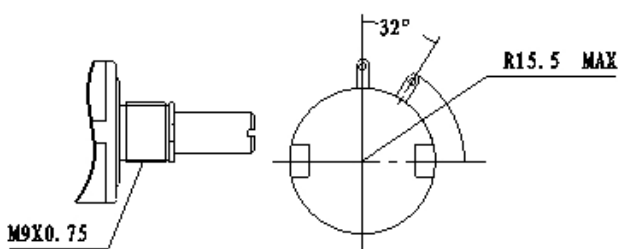
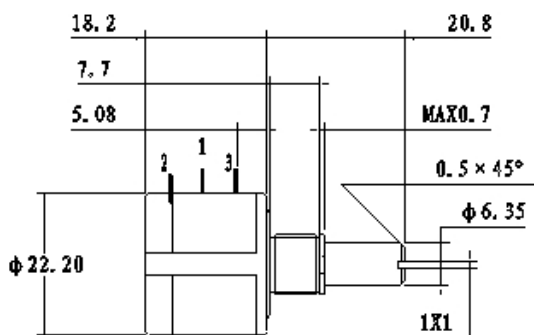


# Datasheet of Wire-wound Precision Potentiometer 534 Series



## ★Dimensions:



## ★Characteristics

### ■Electrical Characteristics

Standard Resistance Range: 100Ω—100KΩ

Resistance Tolerance: ±5%

Independent Linearity: ±0.5%

Effective Electrical Travel: ≥3600°—10°

Terminal Resistance: ≤0.2%R or 5Ω

Noise: ≤3%R or 3Ω

Insulation Resistance:  $R_1 \geq 1G\Omega$

Withstand Voltage: 101.3Pa 710V, 8.5kPa 470V

### ■Environment Characteristics

Rated Power: +70°C 2W, +125°C 0W

Temperature Range: -55°C—+125°C

Temperature Coefficient: ±100ppm / °C

Temperature Variation:  $\Delta R \leq \pm 2\%R$ ,  $\Delta(U_{ab} / U_{ac}) \leq \pm 1\%$

Vibration: 390m / s<sup>2</sup>, 4000 次,  $\Delta R \leq \pm 1\%R$

Collision: 10—500HZ, 0.75mm or 98m/s<sup>2</sup>, 6h,

$\Delta R \leq \pm 1\%R$ ,  $\Delta(U_{ab} / U_{ac}) \leq \pm 2\%$

Climate Category:  $\Delta R \leq \pm 3\%R$ ,  $R_1 \geq 100M\Omega$

Electrical Endurance at 70°C: 2W, 1000h,  $\Delta R \leq \pm 3\%R$

Mechanical Endurance: 10000 cycles,  $\Delta R \leq \pm 3\%R$

Steady-damp-heat:  $\Delta R \leq \pm 3\%R$ ,  $R_1 \geq 100M\Omega$

### ■Physical Characteristics

Total Mechanical Travel: 3600°±10°

Starting Torque: ≤36mN·m

Clutch Torque: ≥300mN·m

Standard Packaging: 25 pcs/box

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