

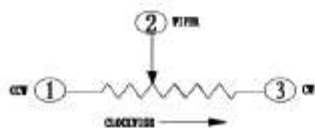
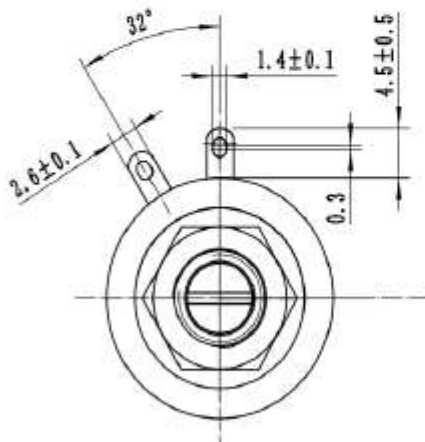
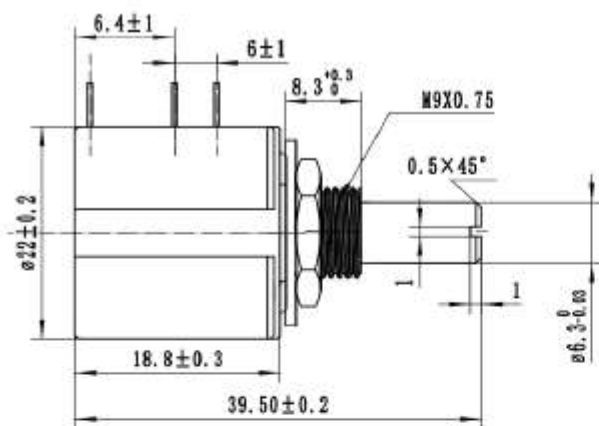


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3540 Series – Precision Potentiometers



★ Characteristics

■ Electrical Characteristics

Standard Resistance Range: 100Ω—100KΩ

Resistance Tolerance: $\pm 5\%$

Independent Linearity: $\pm 0.5\%$

Effective Electrical Travel: $\geq 3600^\circ - 10^\circ$

Terminal Resistance: $\leq 0.2\%R$ or 5Ω

Noise: $\leq 3\%R$ or 3Ω

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

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

■ Environment Characteristics

Rated Power: $+70^\circ\text{C}$ 2W, $+125^\circ\text{C}$ 0W

Temperature Range: -55°C — $+125^\circ\text{C}$

Temperature Coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

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

Vibration: 390m/s^2 , 4000 cycles, $\Delta R \leq \pm 1\%R$

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

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

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

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: $\Delta R \leq \pm 3\%R$, $R_i \geq 100M\Omega$

■ Physical Characteristics

Total Mechanical Travel: $3600^\circ \pm 10^\circ$

Starting Torque: $\leq 36\text{mN}\cdot\text{m}$

Clutch Torque: $\geq 300\text{mN}\cdot\text{m}$

Standard Packaging: 25 pcs/box