

# Datasheet of Trimming Potentiometer

## 3386P-1-LS500

### ★Electrical Characteristics

Range of normal resistance:  $500\Omega$   
Resistance tolerance:  $\pm 10\%$   
Terminal resistance:  $\leq 1\%R$  or  $2\Omega$   
Contact resistance variation:  $CRV \leq 1\%R$  or  $2\Omega$   
Withstand Voltage: 101.3kPa 500V, 8.5kPa 350V  
Insulation resistance:  $R1 \geq 1G\Omega$  (100Vac)  
Effective electrical travel:  $260^\circ$

### ★Environment Characteristics

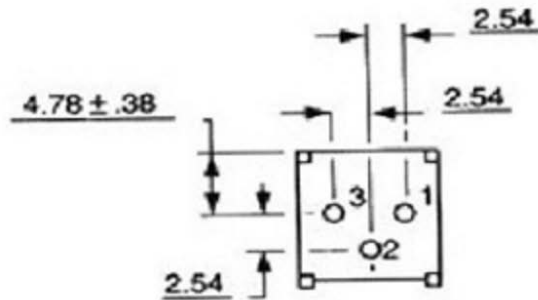
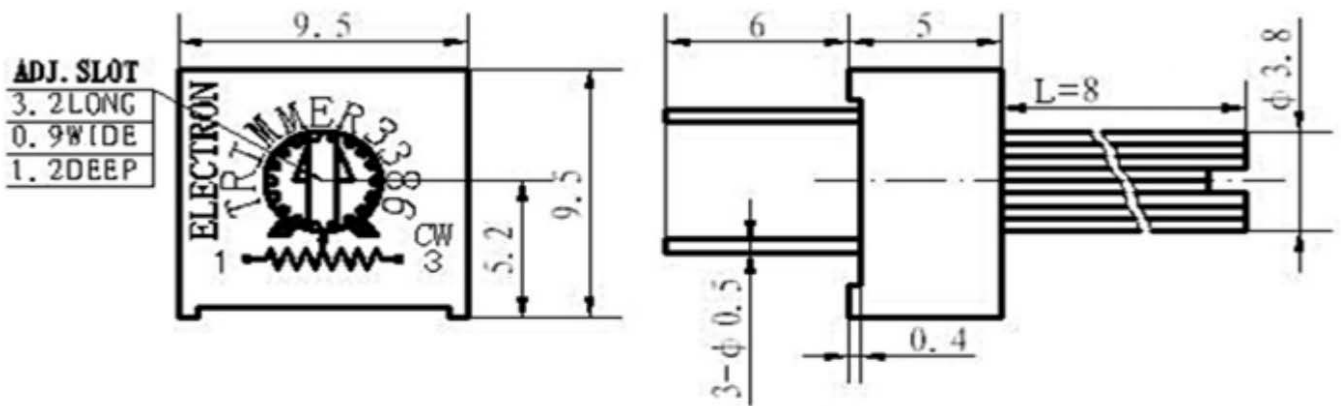
Rated Power (250 max): 0.5W  $70^\circ\text{C}$ , 0W  $125^\circ\text{C}$   
Temperature range:  $-55^\circ\text{C} \sim +125^\circ\text{C}$   
TCR:  $\pm 100\text{ppm}/^\circ\text{C}$ ,  $\pm 250\text{ppm}/^\circ\text{C}$   
Temperature variation:  $\Delta R \leq \pm(2\%R + 0.1\Omega)$ ,  $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%R$   
Collision: 390m/S<sub>2</sub>, 4000cycles  $\Delta R \leq \pm 1\%R$   
Electrical endurance at  $70^\circ\text{C}$ : 0.5W, 1000h  $\Delta R \leq \pm 10\%R$   $\Delta(U_{ab}/U_{ac}) \leq 10\%$   
Mechanical Endurance: 200 cycles,  $\Delta R \leq \pm 10\%R$   
Steady damp-heat:  $\Delta R \leq \pm 3\%R$ ,  $R1 \geq 100M\Omega$

### ★Physical Characteristics

Total Mechanical Travel:  $280^\circ$   
Starting Torque:  $\leq 20\text{mN.m}$   
Clutch Torque:  $\geq 50\text{mN.m}$   
\*P = see pinout diagram on next page  
\*LS = Long shaft

# Drawing

## Common Dimensions Top Adjust



3386P-1-LS\_\_\_\_\_ (resistance value)

P = Above pinout diagram  
 LS = Long shaft (0.315" / 8 mm)