

9501HP 9501VH Trimpot Trimming Potentiometer



Electrical Characteristics

Range of resistance
 $50\Omega \sim 2M\Omega$

Resistance tolerance
 $\pm 10\%$

Terminal resistance
 $\leq 1\% R_{10\Omega}$

Contact resistance variation
 $CRV \leq 3\%$

Insulation resistance
 $R_1 \geq 1G\Omega$

Withstand voltage
600Vdc

Effective Electrical

>70% of total mechanical travel

Environment Characteristics

Rated power (200V max)

0.5W @ 85°C, 0W @ 125°C

Temperature range

-55°C ~ +100°C

TCR

$\pm 500 \times 10^{-6} / ^\circ C$

Temperature variation

-55°C, 30min, +125°C, 30min

3cycles

$\Delta R \leq 5\% R$, $\Delta (U_{ab}/U_{ac}) \leq 10\%$

Collision

100m/s², 16ms, 1000cycles

$\Delta R \leq 2\% R$, $\Delta (U_{ab}/U_{ac}) \leq 10\%$

Electrical load at 85°C

0.5W, 96h

$\Delta R \leq 10\% R$, $\Delta (U_{ab}/U_{ac}) \leq 10\%$

Mechanical wear-resistance

100cycles

$\Delta R \leq 10\% R$

Constant damp-heat

40 ± 2°C, 87-92% R.H. 96h

$\Delta R \leq 5\% R$, $R_1 \geq 10M\Omega$

Physical Characteristics

Total mechanical travel angle $300 \pm 10^\circ$

Starting torque $\leq 35\text{mN.m}$

Mark

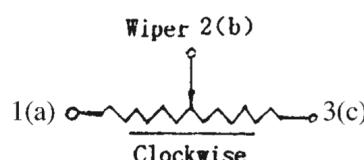
(10%)

Resistance code, resistance tolerance

($\pm 10\%$ no indicator), Type

Standard package

50pcs/tube

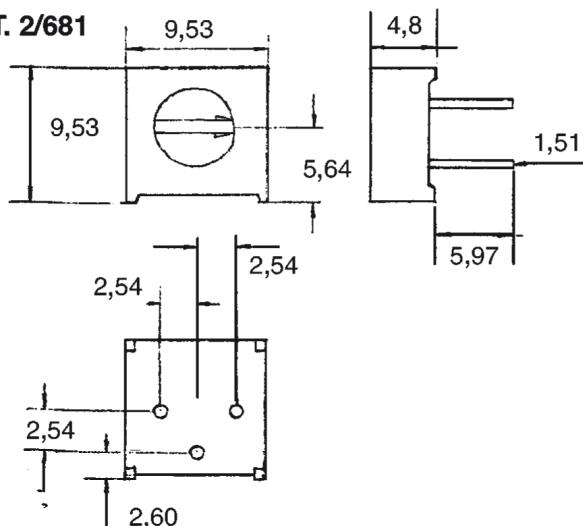


Standard Resistance Table

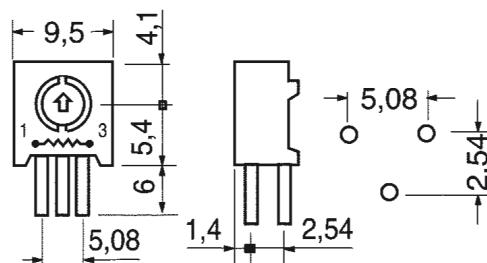
Resistance (Ω)	Resistance Code
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205

Dimensions

ART. 2/681



ART. 2/711



Tolerance is ± 0.25 , if no identification