

4825VW 4825HX Trimpot Trimming Potentiometer



Electrical Characteristics

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

Resistance tolerance $\pm 10\%$

Terminal resistance $\leq 1\%R$ 10Ω

Contact resistance variation $CRV \leq 3\%$ 5Ω

Insulation resistance $R1 \geq 1G\Omega$

Withstand voltage $640Vac$

Limit current of moving contact $100mA$

Effective Electrical

$>70\%$ of total mechanical travel

Environment Characteristics

Rated power (315V max)

$0.75W$ @ $70^\circ C$, $0W$ @ $100^\circ C$

Temperature range $-55^\circ C \sim +100^\circ C$

TCR

$\pm 250 \times 10^{-6} / ^\circ C$

Temperature variation

$-55^\circ C$, 30min, $+100^\circ C$, 30min

5cycles

$\Delta R \leq 5\%R$, $\Delta (Uab/Uac) \leq 5\%$

Collision

$390m/s^2$, 4000 cycles

$\Delta R \leq 2\%R$

Vibration

$10 \sim 500Hz$, $0.75mm$, 6h

$\leq 100\mu s$

electrical interruption $\leq 100\mu s$

$\Delta R \leq 5\%R$, $\Delta (Uab/Uac) \leq 3\%$

Climate category

meet IEC68-2-2etc

$\Delta R \leq 5\%R$, $R1 \geq 100M\Omega$

Endurance at $70^\circ C$

$0.75W$, 1000h

$\Delta R \leq 10\%R$, $R1 \geq 100M\Omega$

Mechanical Endurance

200cycles

$\Delta R \leq 10\%R$, $CRV \leq 3\%R$ or 5Ω

Steady damp-heat

IEC68-2-3, Ca, 96h

$\Delta R \leq 5\%R$, $R1 \geq 100M\Omega$

Physical Characteristics

Total mechanical travel

-25 nominal

Starting torque $\leq 35mN \cdot m$

Mark

(10%)

Resistance code, resistance tolerance

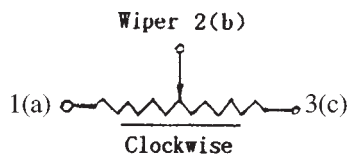
($\pm 10\%$ no indication), Type

Standard package

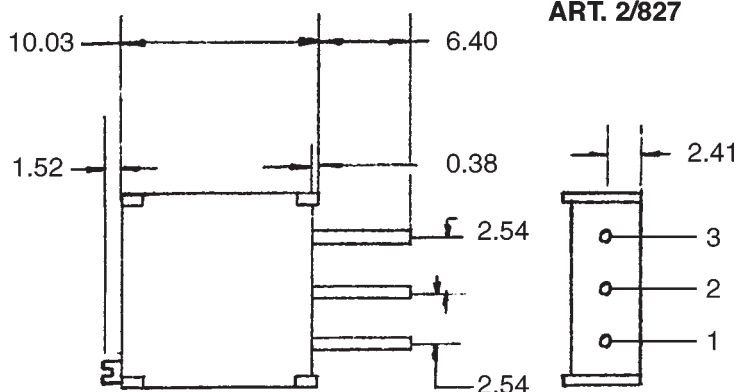
50pcs/tube

Standard Resistance Table

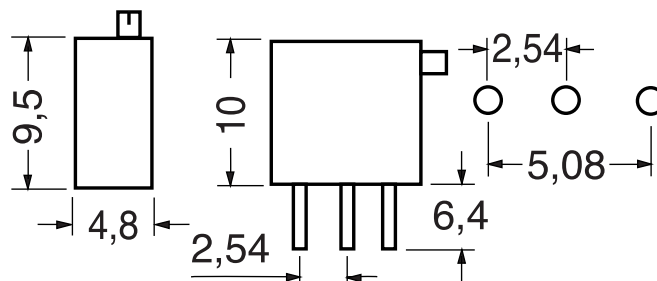
Resistance (Ω)	Resistance Code
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205



Dimensions



ART. 2/861



Tolerance is ± 0.25 if no identification