
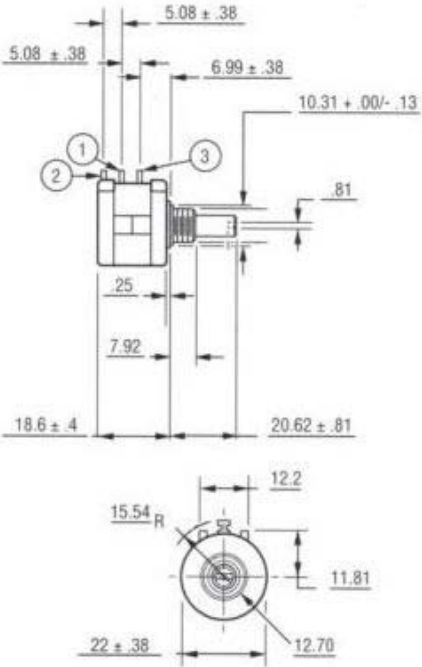


Vatronics Technologies Limited

Vatronics 3590S Precision Multiturn Wirewound Potentiometers

Adjust Methods	Dimension	Datasheet
		<p>Electrical Characteristics</p> <p>Vatronics Standard resistance range 100Ω-100KΩ Resistance Tolerance: $\pm 5\%$ Independent Linearity: $\pm 0.5\%$ Effective Electrical Travel $\geq 3600^\circ-10^\circ$ Terminal Resistance $\leq 0.2\%$ or 5Ω Max (Whichever is greater) Turning Noise $\leq 3\%R$ or 3Ω Insulation Resistance $R1 \geq 1G\Omega$ Withstanding voltage 101.3KPa 710V; 8.5KPa 470V</p> <p>Environment Characteristics</p> <p>Vatronics Max Voltage=315V, Rated Power +70°C 2W, +125°C 0W Operating Temperature: $-55^\circ C \sim +125^\circ C$ Temperature Coefficient: $\pm 100ppm/^\circ C$ Temperature Variation $\Delta R \leq \pm 2\%R, \Delta(Uab/Uac) \leq \pm 1\%$ Vibration 390m/S², 4000 times, $\Delta R \leq \pm 1\%R$ Collision 10~500HZ, 0.75mm, or 98m/S², 6h $\Delta R \leq \pm 1\%R, \Delta(Uab/Uac) \leq \pm 2\%R$ Climate Category $\Delta R \leq \pm 3\%R, R1 \geq 100M\Omega$ Electrical Endurance at 70°C 2W, 1000h, $R \leq \pm 3\%R$ Mechanical Endurance 10000cycles, $\Delta R \leq \pm 3\%R$ Steady Damp-Heat $\Delta R \leq \pm 3\%R R1 \geq 100M\Omega$</p> <p>Physical Characteristics</p> <p>Vatronics Total Mechanical Travel $\geq 3600^\circ \pm 10^\circ$ Starting Torque $\leq 36mN.m$ Clutch Torque $\geq 300mN.m$</p>
<p>HOW TO ORDER 3590S-2-104</p> <p>3590S -Model 2-Metal Shaft and bushings 104-100KΩ</p>	