

Vatronics Technologies Limited

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3296 9mm Square Multi-Turn Trimmer Potentiometers

Vatronics makes 3296W,3296X,3296P,3296Y,3296Z Series.

Dimensions: 9.50 x 10.00 x 4.85mm

Electrical

•Characteristics

Range•of•resistance: 10Ω — $2M\Omega$ •Resistance•tolerance: $\pm 10\%$

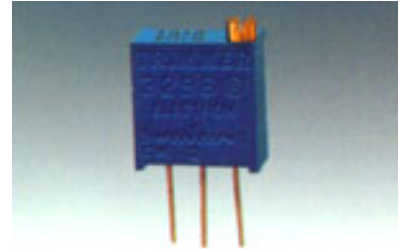
Terminal•resistance $\leq 2\Omega$ •or• $1\%R$ Contact•resistance•variation:

CRV $\leq 3\%R$ •or• 3Ω Insulation•resistance $R_e \geq 1G\Omega$

Withstand•voltage -600Vdc

Limit•current•of•moving•contact:•30mA

Effective•electrical•travel:• 25 ± 2 •turns



3296W

Vatronics Environmental•Characteristics

Rated•power: (300Vmax) 0.5W•70••

Temperature range: -55•~+125•

TCR: $\pm 100\text{ppm}/^\circ\text{C}$;• $\pm 250\text{ppm}/^\circ\text{C}$

Temperature•variation -55•,30min,+125•,30min5cycles

$\Delta R \leq 2\%R$,• $\Delta(U_{ab}/U_{ac}) \leq 1\%$ Collision 390m/s²•4000cycles

$\Delta R \leq 1\%R$ Vibration 10—2000HZ•0.75mm,6h

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

Vatronics Total mechanical travel 28 ± 2
•turns Starting•torque $\leq 36\text{ mNm}$ Di

Mark: Resistance code, resistance
•tolerance($\pm 10\%$ no indication), lot No.
Standard•package 50pcs/tube

Vatronics Climate•category $\Delta R \leq 3\%R$ • $R_e \geq 100M\Omega$

Enduranceat 70• 0.5W;1000h $\Delta R \leq 3\%R$ •CRV $\leq 3\%R$

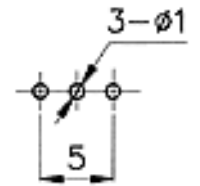
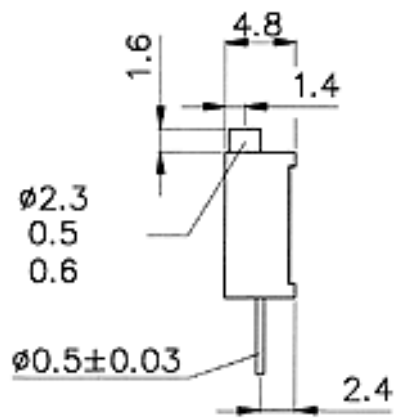
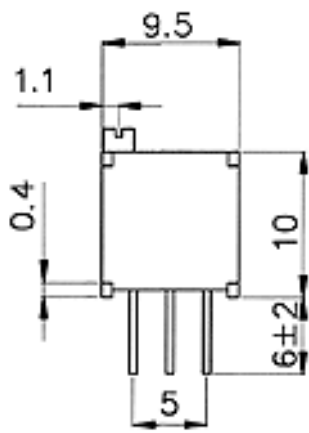
Mechanical•endurance

200•cycles $\Delta R \leq 3\%R$ •CRV $\leq 3\%R$

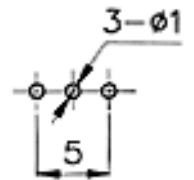
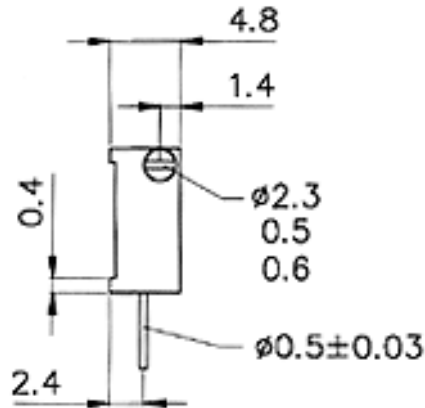
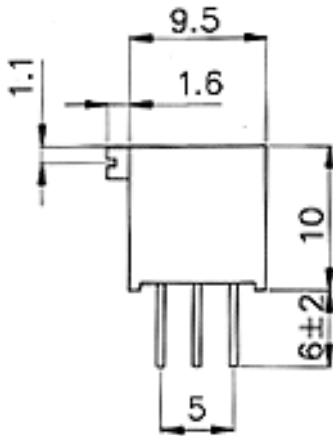
Steady•damp—heat $\Delta R \leq 3\%R$ • $R_e \geq 100M\Omega$ Physical•Characteristics

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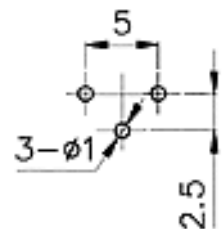
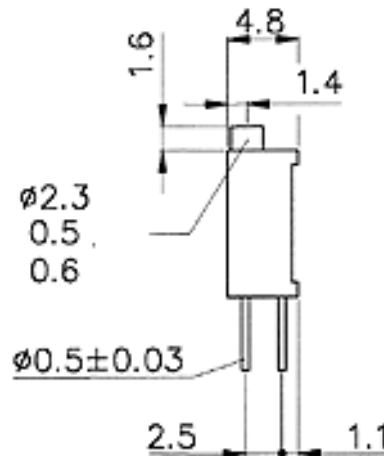
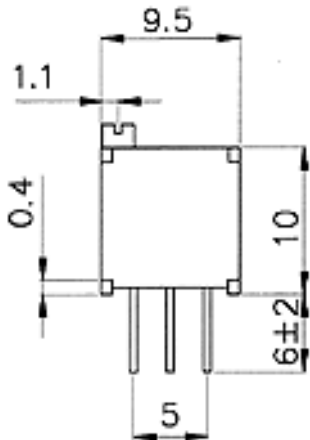
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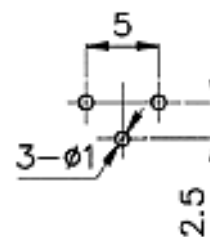
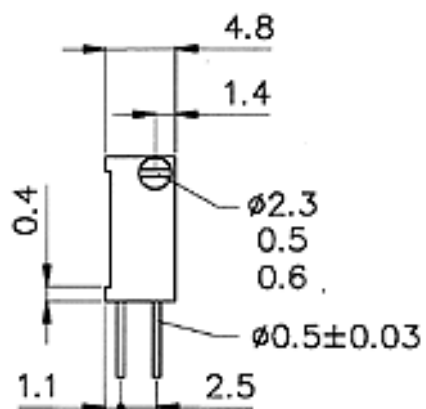
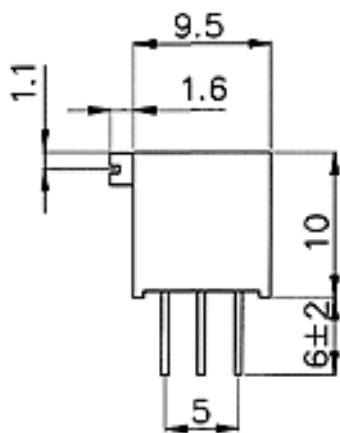
Vatronics 3296W DRAWING



Vatronics 3296X DRAWING



Vatronics 3296Y DRAWING



Vatronics 3296Z DRAWING

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