

Vatronics Technologies Limited

3269 6mm Square Multi-Turn Trimmer Potentiometers

Vatronics makes 3269W,3269P Series.

Electrical Characteristics

Range of resistance 10Ω — $1M\Omega$

Resistance tolerance $\pm 10\%$

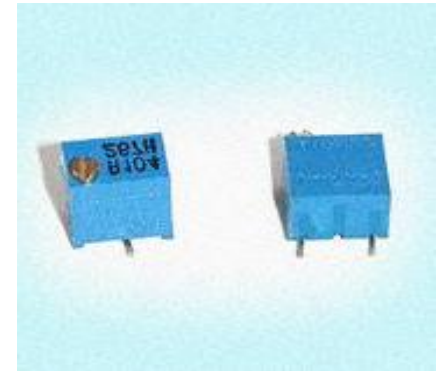
Terminal resistance $\leq 2\Omega$ or $1\%R$

Contact resistance variation $CRV \leq 3\%R$ or 3Ω

Insulation resistance $R_e \geq 1G\Omega$ Withstand voltage $600V_{dc}$

Limit current of moving contact $30mA$

Effective electrical travel 12 ± 2 turns



Vatronics Environment Characteristics

Rated power ($200V_{max}$) $0.25W$ @ $70^\circ C$

Temperature range $-55^\circ C$ — $+125^\circ C$

TCR $\pm 100ppm/^\circ C$; $\pm 250ppm/^\circ C$

Temperature variation $-55^\circ C, 30min, +125^\circ C, 30min$ 5cycles

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

Collision $390m/s^2$ 4000cycles $\Delta R \leq 1\%R$

Vibration 10 — $2000HZ$ $0.75mm$, 6h

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

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

Endurance at $70^\circ C$ $0.25W$; 1000h $\Delta R \leq 3\%R$ $CRV \leq 3\%R$

Mechanical endurance 200cycles $\Delta R \leq 3\%R$ $CRV \leq 3\%R$

Vatronics Steady-damp—heat

$\Delta R \leq 3\%R$ $R_e \geq 100M\Omega$

Physical Characteristics

Total mechanical travel 15 ± 2

turns

Starting torque $\leq 25mN.m$

Mark Resistance code,

resistance tolerance

($\pm 10\%$ no indication), lot No

Standard pack 50pcs/tube

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