## 9200-9300 Series/Surface Mount Reed Relays



## Surface Mount Reed Relays

Ideally suited to the needs of Automated Test Equipment, Instrumentation and Telecommunications requirements, Coto's 9200, and 9300 Series specification tables allow you to select the appropriate relay for your particular application. If your requirements differ, please consult your local representative or Coto's Factory to discuss a custom design.

## Series Features

- High Insulation Resistance - $10^{12} \Omega$ minimum ( $10^{13} \Omega$ Typical).
- High reliability, hermetically sealed contacts for long life.
- Molded thermoset body on integral lead frame design.
- High speed switching compared to electromechanical relays.


## 9200 Series

- Low profile $-0.19^{\prime \prime}$ height. Meets high board density requirements.
- $50 \Omega$ Coaxial Shield for RF and Fast Rise Time Pulse switching.


## 9300 Series

- Load switching (15 Watts) and high dielectric strength (500 VDC) between contacts.

Model 9200


Axial
Gull Wing


Gull Wing

J-Lead


Dimensions in Inches (Millimeters)
Model 9300


Radial



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## Notes:

${ }^{1}$ Consult factory for life expectancy at other switching loads.
${ }^{2}$ Surface mount component processing temperature: $430^{\circ} \mathrm{F}\left(221^{\circ} \mathrm{C}\right)$ max for 1 minute dwell time. Temperature measured on leads where lead exits molded package.
${ }^{3}$ Higher dielectric strength available, consult factory. ${ }^{4}$ Consists of 20 V Zener-diode and 1 N 1002 diode in series, connected in parallel with coil.

## Environmental Ratings

Storage Temp: $-35^{\circ} \mathrm{C}$ to ${ }^{+} 100^{\circ} \mathrm{C}$;
Operating Temp: $-20^{\circ} \mathrm{C}$ to ${ }^{+} 85^{\circ} \mathrm{C}$
The operate and release voltage and the coil resistance are specified at $25^{\circ} \mathrm{C}$. These values vary by approximately $0.4 \% /{ }^{\circ} \mathrm{C}$ as the ambient temperature varies. Vibration: 20 G's to 2000 Hz ; Shock: 50 G's

