## 2300 Series/ M icrominiature Reed Relays



## Multipole Microminiature Reed Relays

The Coto 2300 series was designed to offer the densest packaging available in a multipole reed relay. The size and footprint of the 2300 series compliment the 2200 and 2900 series microminiature relays. The 1 Form C model is constructed with individual switch capsules for the normally open and magnetically biased normally closed contacts which are more reliable than the spring actuated 1 Form C reed switches. Custom pin-outs as well as custom designs are available to meet particular applications. Special designs include 1 Form B, 2 Form B, latching, and high voltage relays.

## 2300 Series Feature

- Smallest Multipole Relay: 0.056 sq. inches/pole (3 pole relay)
- Up to 3 Form A or 2 Form C Contacts
- Hermetically Sealed Contacts
- Long Life / High Reliability
- Magnetically Shielding Steel Shell
- Optional Electrostatic Shield (on most models)


Dimensions in Inches (Millimeters)


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## Model Number <br> Parameters

Test Conditions

|  | 2332 |
| :---: | :---: |
| Units | 2 Form A |


| 2333 | $2341^{3,5}$ |
| :---: | :---: |
| 3 Form A | 1 Form C |

2342
2 Form C

COIL SPECS.
Nom. Coil Voltage
Coil Resistance
Operate Voltage
Release Voltage
CONTACT RATINGS
Switching Voltage
Switching Current
Carry Current
Contact Rating
Life Expectancy-Typical ${ }^{1}$
Static Contact
Resistance (max. init.)
Dynamic Contact
Resistance (max. init.)
RELAY
SPECIFICATIONS
Insulation Resistance (minimum)

Capacitance - Typical Across Open Contacts
Dielectric Strength (minimum)

Operate Time - including
bounce - Typical
Release Time - Typical


## N otes:

${ }^{1}$ Consult factory for life expectancy at other switching loads.
${ }^{2}$ Release time is specified with a zener diode suppression circuit consisting of a 20 V zener diode in series with a 1N4148, connected in parallel with the coil.
${ }^{3}$ Break-before-make action on Form C Model 2341 is not guaranteed. Consult factory if break-before-make is required.
${ }^{4}$ Electrostatic shield is connected to pin \#6. Coaxial shield is connected to pins \#6 and \#7.
${ }^{5}$ This relay is polarity sensitive. Pin \#3 MUST be positive.

## Environmental Ratings

Storage Temp: $-35^{\circ} \mathrm{C}$ to $+100^{\circ} \mathrm{C}$;
Operating Temp: $-20^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$
Solder Temp: $270^{\circ} \mathrm{C}$ max; 10 sec . max
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

