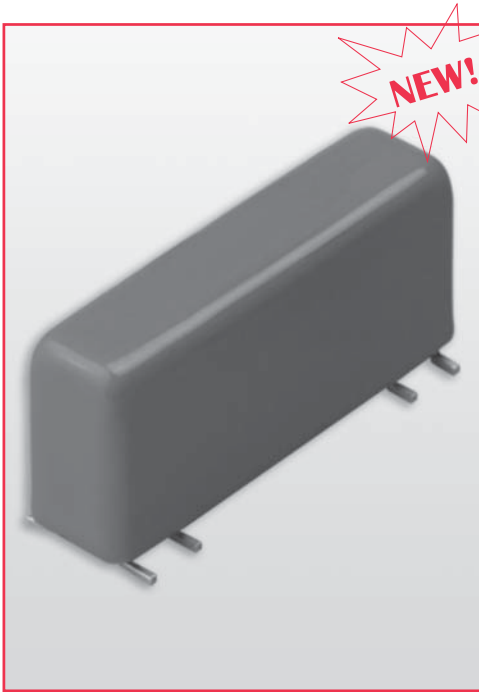


# 2362 SMD 2 Form C Reed Relay

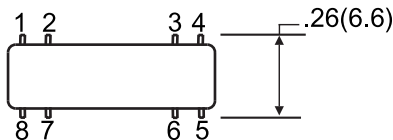
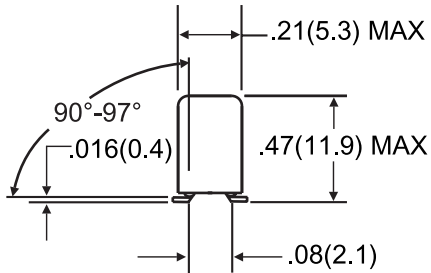
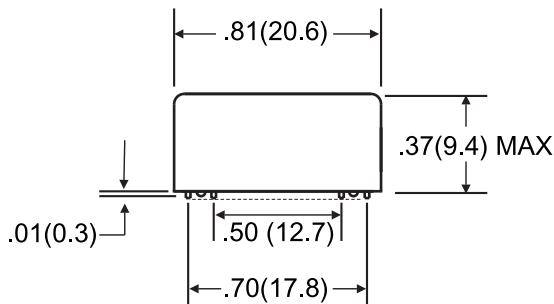


## 2362 SMD 2 Form C Reed Relay

The 2362 is the Surface Mount version of Coto Technology's popular 2342 2 Form C Pico relay. The 2362 offers a proven reed design with longer life than competing 2 Form C EMR product. The 2362 is the ideal solution for automated test, instrumentation and telecommunication applications to increase system reliability and life .

### 2362 Series Features

- ◆ 2 Form C Contacts
- ◆ Hermetically Sealed Contacts
- ◆ Long Life / High Reliability
- ◆ Magnetically Shielding Steel Shell
- ◆ Surface Mount Relay



*Dimensions in Inches (Millimeters)*

### Ordering Information

2362-XX-000

#### Coil Voltage

05=5 volts

12=12 volts

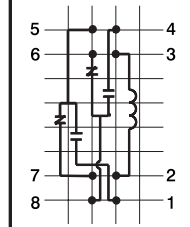
# 2362 SMD 2 Form C Reed Relay

Model Number	2362		
Parameters	Test Conditions	Units	2 Form C
<b>COIL SPECS.</b>			
Nom. Coil Voltage		VDC	5 12
Coil Resistance	+/- 10%, 25° C	Ω	175 1000
Operate Voltage	Must Operate by	VDC - Max.	3.8 9.0
Release Voltage	Must Release by	VDC - Min.	0.4 1.0
<b>CONTACT RATINGS</b>			
Switching Voltage	Max DC/Peak AC Resist.	Volts	100
Switching Current	Max DC/Peak AC Resist.	Amps	0.25
Carry Current	Max DC/Peak AC Resist.	Amps	0.5
Contact Rating	Max DC/Peak AC Resist.	Watts	3
Life Expectancy-Typical <sup>1</sup>	Signal Level 1.0V, 10mA	x 10 <sup>6</sup> Ops.	100
Static Contact Resistance (max. init.)	50mV, 10mA	Ω	0.200
Dynamic Contact Resistance (max. init.)	0.5V, 50mA at 100 Hz, 1.5 msec	Ω	0.250
<b>RELAY SPECIFICATIONS</b>			
Insulation Resistance (minimum)	Between all Isolated Pins at 100V, 25°C, 40% RH	Ω	x 10 <sup>9</sup>
Capacitance - Typical Across Open Contacts	No Shield	pF	2.0
	Shield Guarding	pF	N/A
Dielectric Strength (minimum)	Between Contacts	VDC/peak AC	200
	Contact to Coil	VDC/peak AC	1000
Operate Time - including bounce - Typical	At Nominal Coil Voltage, 30 Hz Square Wave	msec.	1.5
Release Time - Typical	Zener-Diode Suppression <sup>2</sup>	msec.	2.0

**NEW!**

Top View <sup>4</sup>:

Dot stamped on top of relay refers to pin #1 location  
Grid = .1"x.1" (2.54mm x 2.54mm)



## Notes:

- <sup>1</sup> Consult factory for life expectancy at other switching loads.
- <sup>2</sup> Consists of 56V Zener diode and 1N4148 diode in series, connected in parallel with coil.

## Environmental Ratings:

Storage Temp: -35°C to +100°C;  
Operating Temp: -20°C to +85°C  
Surface mount component processing temperature:  
500°F / 260°C max for 1 minute dwell time.  
Temperature measured on leads where lead exits  
molded package.

The operate and release voltage and the coil resistance are specified at 25°C. These values vary by approximately 0.4% / °C as the ambient temperature varies.  
Vibration: 20 G's to 2000 Hz; Shock: 50 G's