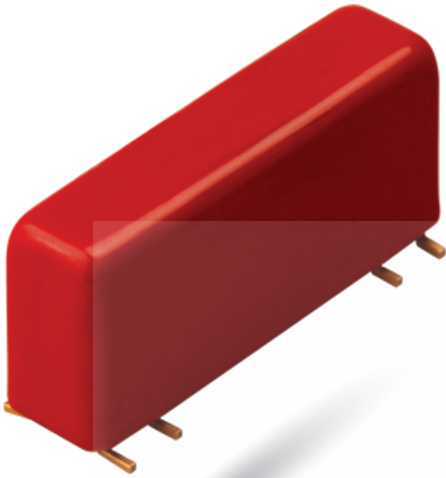


# 2362 SMD 2 FORM C REED RELAY



## 2362 Series SMD 2 Form C Reed Relay

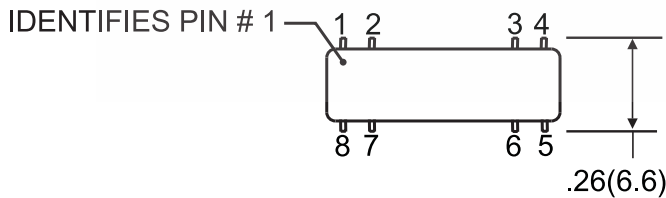
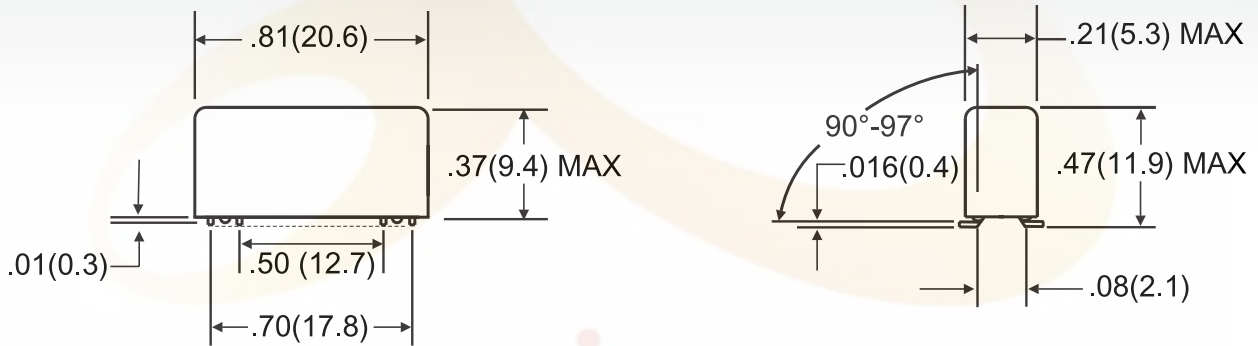
The 2362 is the Surface Mount version of Coto Technology's popular 2342 2 Form C Pico relay. The 2362 offers a proven reed design with longer life than competing 2 Form C EMR products. The 2362 is the ideal solution for automated test, instrumentation and telecommunication applications to increase system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

### 2362 Series Features

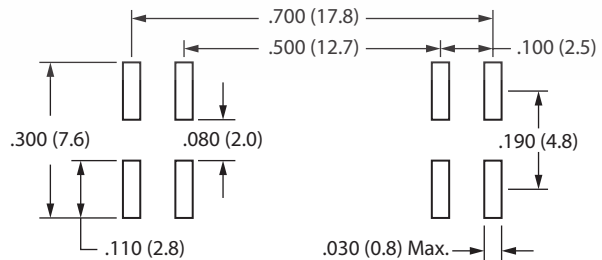
- ▶ 2 Form C Contacts
- ▶ Hermetically Sealed Contacts
- ▶ Long Life / High Reliability
- ▶ Magnetically Shielding Steel Shell
- ▶ Surface Mount Relay
- ▶ RoHS compliant

## DIMENSIONS

*in Inches (Millimeters)*



### RECOMMENDED LAND PATTERN DIMENSIONS PER IPC STANDARDS



### Ordering Information

Part Number 2362-XX-000

#### Coil Voltage

05=5 volts  
12=12 volts

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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.	250
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	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
	Contacts to Shield	VDC/peak AC	N/A
	Contacts/Shield 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		msec.	2.0
<p style="text-align: right;">Top View: Dot stamped on top of relay refers to pin #1 location Grid = .1"x.1" (2.54mm x 2.54mm)</p>			

**Notes:**

<sup>1</sup> Consult factory for life expectancy at other switching loads.

**Environmental Ratings:**

Storage Temp: -35°C to +100°C; Operating Temp: -20°C to +85°C  
 Max Relay Temp During Solder Reflow Process: 260°C for 1 minute maximum  
 All electrical parameters measured at 25°C unless otherwise specified.  
 Vibration: 20 G's to 2000 Hz; Shock: 50 G's

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