



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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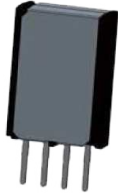
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**Part Number: 3570 1517**  
**Instrumentation Grade Ultra Mini SIP - 1 Form A**  
**Product Data Sheet**

**PICTURE**



**FEATURES**

- High Reliability Instrumentation Grade reed switch with sputtered Ruthenium contacts.
- 75% smaller PCB footprint than a full size SIP.
- 1 Amp carry current, 10 Watts, 170 VDC switching voltage.
- High Insulation Resistance:  $10^{12} \Omega$  MIN.
- Molded thermoset package.
- Standard external magnetic shield.
- Optional internal coil suppression diode.

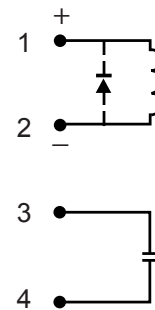
**✓RoHS Compliant**

**ORDERING INFORMATION**

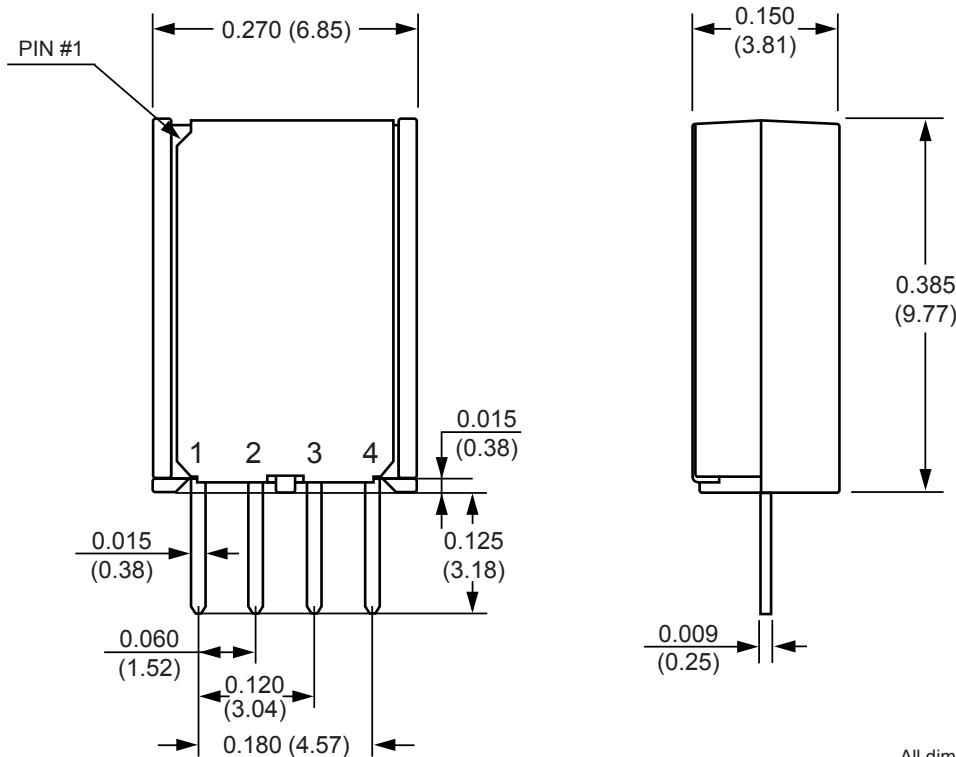
Series	Coil	Options
3570.1517.	05	1 = no diode 3 = with diode (pin 1 = positive, pin 2 = negative)

**Part Number Example:** 3570.1517.xxx  
 3570.1517.051 = 5 volt coil, no diode

**CIRCUIT DIAGRAM (Top View)**



**DIMENSIONS**



Drawings not to scale.  
 All dimensions in inches (mm) nominal.

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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**Part Number: 3570 1517**  
**Instrumentation Grade Ultra Mini SIP - 1 Form A**  
**Product Data Sheet**

**COIL DATA-STANDARD TYPE 1 FORM A (at 20 °C)**

NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	400	3.75	0.4	6

**CONTACT RATING**

Max Switching Power	10 W
Max Switching Voltage	170 VDC
Max Switching Current	0.5 A
Max Carry Current	1.0 A

**SPECIFICATIONS**

Contact Resistance (Initial)	MAX 200 mΩ
Operate Time - including bounce (Typical)	0.2 ms (At Nominal Voltage)
Release Time (Typical)	0.1 ms
Insulation Resistance @ 100V, 20°C, 40% RH (MIN)	10 <sup>12</sup> Ω
Dielectric Strength (MIN)	Between Open Contacts 200 VDC/peak AC Between Coil to Contacts 1500 VDC/peak AC
Capacitance Between Open Contacts (Typical)	0.7 pF
Vibration	20G
Shock	50G
Operating Temperature	-40° +85°C
Storage Temperature	-40° +100°C
Life Expectancy at Specified Load (Typical)	1000 x 10 <sup>6</sup> ops (1 VDC, 10mA)

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