

**Part Number: 3570 1512 Series**  
**Instrumentation Grade Micro Mini SIP - 1 Form A**  
**Product Data Sheet**

**15 Watts**

**PICTURE**



**FEATURES**

- High Reliability Instrumentation Grade reed switch with sputtered Ruthenium contacts.
- 1 Amp Carry Current, 15 Watts
- Internal Magnetic shield-reduces interaction (standard).
- Coil suppression diode protects coil drive circuits (option).
- High Insulation Resistance:  $10^{12} \Omega$  MIN
- High board density.
- Molded thermoset industry standard package.
- Hermetically sealed contacts for long life.

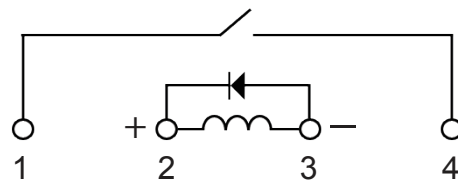
✓ **RoHS Compliant**

**ORDERING INFORMATION**

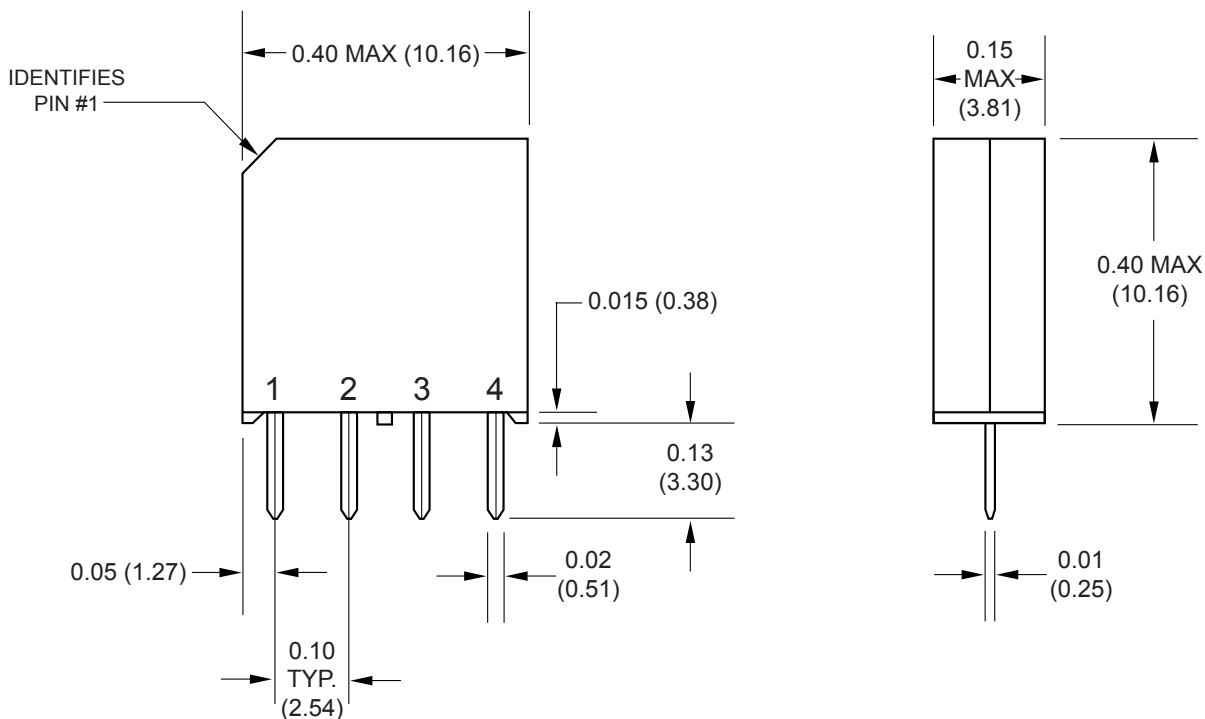
Series	Coil	Options
3570.1512.	05	1 = no diode
	12	3 = with diode

**Part Number Example:** 3570.1512.xxx  
 3570.1512.051 = 5 volt coil, no diode

**SCHEMATIC**



**DIMENSIONS**



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

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

NOMINAL VOLTAGE DC±10%[V]	COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	500	3.75	0.4	7
12	750	9.0	1.0	16

**CONTACT RATING**

Max Switching Power	15 W
Max Switching Voltage	200 VDC
Max Switching Current	0.5 A
Max Carry Current	1.0 A

**SPECIFICATION**

Contact Resistance (Initial)	MAX 150 mΩ
Operate Time - including bounce (Typical)	0.35 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)	0.5 pF
Vibration	20G
Shock Resistance	50G
Operating Temperature	-40° +85°C
Storage Temperature	-40° +100°C
Life Expectancy of Electrical (Typical)	1000 x10 <sup>6</sup> ops (1 VDC, 10mA)

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