



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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**Part Number: 3570 3572 3563 Series**  
**General Purpose DIP Reed Relays**  
**Product Data Sheet**

## PICTURE

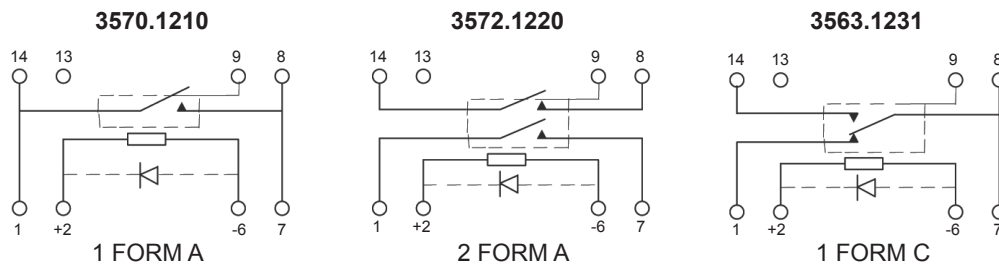


## FEATURES

- Industry standard, 14 pin DIP packages.
- High speed and low drive power.
- Optional diode and electrostatic shield available.
- 10 W Form A, 5 W Form C
- 5, 12 and 24 volt coils available.
- 1A, 2A and 1C contacts available.
- UL File E358613

**✓ RoHS Compliant**

## SCHEMATIC

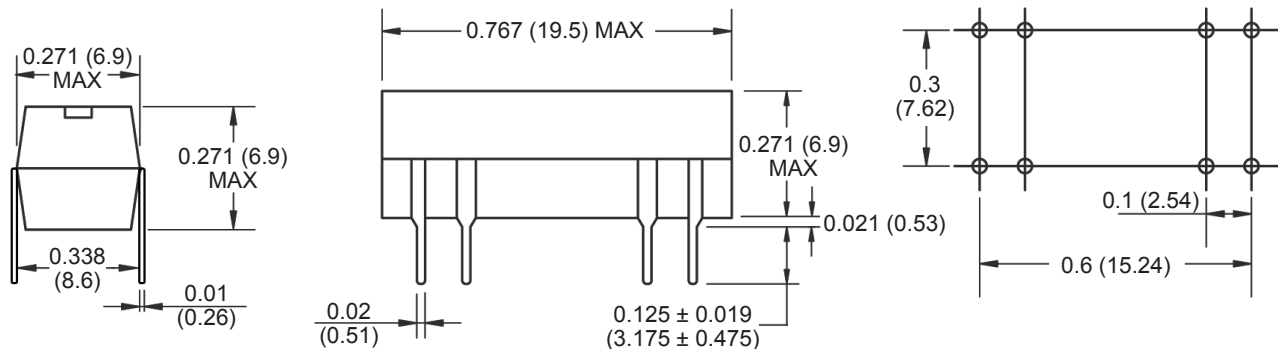


## ORDERING INFORMATION

Series	Coil	Options
3570.1210. (1 Form A)	05	1 = without diode
3572.1220. (2 Form A)	12	2 = electrostatic shield (pin 9)
3563.1231. (1 Form C)	24	3 = with diode (pin 2 + pin 6 -)
		4 = electrostatic shield + diode

**Part Number Example:** 3570.1210.xxx      3570.1210.053 = 1 form A, 5 Volt Coil with diode

## 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 3572 3563 Series**  
**General Purpose DIP Reed Relays**  
**Product Data Sheet**

COIL DATA-STANDARD TYPE 1 FORM A (at 20 °C)				3570.1210
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	500	3.75	0.6	7
12	1000	9	1	16
24	2150	18	2	32

COIL DATA-STANDARD TYPE 2 FORM A (at 20 °C)				3572.1220
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	140	3.75	0.6	7
12	500	9	1	16
24	2150	18	2	32

COIL DATA-STANDARD TYPE 1 FORM C (at 20 °C)				3563.1231
NOMINAL COIL VOLTAGE (VDC)	NOMINAL COIL RESISTANCE ±10% (Ω)	MAX OPERATE VOLTAGE (VDC)	MIN RELEASE VOLTAGE (VDC)	MAX COIL VOLTAGE (VDC)
5	200	3.75	0.6	7
12	500	9	1	16
24	2150	18	2	32

CONTACT RATING		
	1 / 2 Form A	1 Form C
Contact Form		
Max Switching Power	10 W	5 W
Max Switching Voltage	150 VDC	100 VDC
Max Switching Current	0.5 A	0.4 A
Max Carry Current	1 A	0.5 A

SPECIFICATION		
Contact Resistance (Initial)	Max 150 mΩ	Max 200 mΩ
Operate Time - including bounce (Typical)	0.5 ms	1 ms
Release Time (Typical)	0.5 ms	1.5 ms
Insulation Resistance @ 100V, 20°C, 40% RH (MIN)	10 <sup>10</sup> Ω	10 <sup>9</sup> Ω
Dielectric Strength (MIN)	Between Open Contacts 200 VDC / peak AC Between Coil to Contacts & All Other Pins 1500 VDC / peak AC	
Capacitance Between Open Contacts (Typical)	0.5 pF	1.5 pF
Vibration	20G	20G
Shock Resistance	50G	50G
Operating Temperature	-20° +85°C	-20° +85°C
Storage Temperature	-40° +100°C	-40° +100°C
Life Expectancy at Specified Load (Typical)	250 x10 <sup>6</sup> ops (1 VDC, 10mA)	100 x10 <sup>6</sup> ops (1 VDC, 10mA)

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