



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!



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S2 Relay Series

Axial style reed relay



The S2 reed relay series from Cynergy3 has been developed for applications where PCB mounting is not possible.

The relay can be mounted in a variety of methods and orientations to suit particular applications. The leadout wires are flexible enough to allow bending for assembly into equipment.

Available with either a 10W or 50W contact in a pressurised reed switch or a 100W contact in an evacuated reed switch.

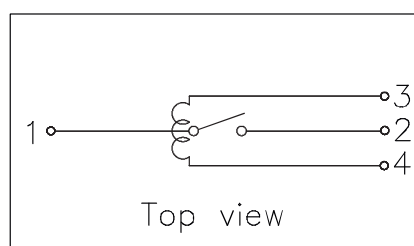
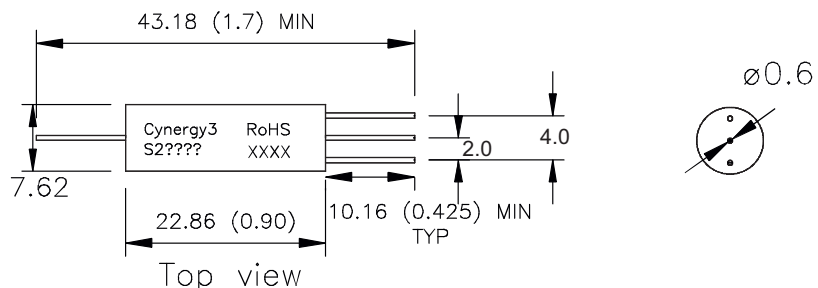
- Variable mounting options
- 10W, 50W and 100W contact options
- Reliable reed switch contacts

| Contact Specification | | SPST (Form A) | | | |
|--|-------------------------------------|-----------------|--------------------------------------|-----------|------|
| Nominal Coil Voltage | | 3 | 5,12,24 | 5,12, 24 | |
| Material | | | Rhodium | | |
| Switch atmosphere | | Pressurised | Pressurised | Evacuated | |
| Isolation across contacts kV | DC or AC peak | 0.2 | 0.5 | 1.0 | |
| Switching Power Max. | | 10W | 50W/70VA | 100VA | |
| Switching Voltage Max. | V DC or AC peak | 200 | 350dc/300ac | | |
| Switching Current Max. | A DC or AC peak | DC 0.25 | DC0.7/AC0.5 | DC 1.0 | |
| Carry Current Max | A | 1 | 2.5 | | |
| Capacitance across | pF coil to screen contacts grounded | | <0.1 | | |
| Lifetime operations | dry switching | | 10 ⁹ | | |
| | 50W switching | | 10 ⁷ | | |
| Contact Resistance | mΩ max (typical) | | 80 (30) | | |
| Insulation Resistance | Ωmin (typical) | | 10 ¹⁰ (10 ¹³) | | |
| Coil Specification | | 3V | 5V | 12V | 24V |
| Must Operate Voltage | V DC @ 20°C | 2.25 | 3.7 | 9 | 19 |
| Must Release Voltage | V DC @ 20°C | 0.5 | 1 | 2 | 3 |
| Operate Time | ms diode fitted | 0.1 | 1.0 | 1.0 | 1.0 |
| Release Time | ms diode fitted | 0.07 | 0.5 | 0.5 | 0.5 |
| Resistance | Ω @ 20°C | 250 | 160 | 1000 | 1000 |
| Relay Specification | | | | | |
| Isolation contact/coil | kV | 1 | | | |
| Insulation resistance contact to all terminals | Ωmin (typical) | TBC | | | |
| Environmental | | | | | |
| Operating Temp range | °C | -40 to +85 | | | |
| Storage Temp range | °C | -40 to +125 | | | |
| Standard Parts | Coil Volts Vdc | Switching Power | Isolation kV | | |
| S2-03P | 3 | 10 VA | 0.2 | | |
| S2-05P | 5 | 70 VA | 0.5 | | |
| S2-12P | 12 | 70 VA | 0.5 | | |
| S2-24P | 24 | 70 VA | 0.5 | | |
| S2-05E | 5 | 100 VA | 1.0 | | |
| S2-12E | 12 | 100 VA | 1.0 | | |
| S2-24E | 24 | 100 VA | 1.0 | | |

Custom versions can be made for particular applications. Please contact Cynergy3 with your requirements.

Please refer to this document for circuit design notes:-
<http://www.cynergy3.com/blog/application-notes-reed-relays-0>

Mechanical Dimensions



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