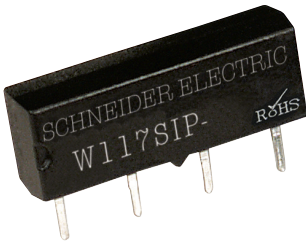


Description

Legacy PCB & Reed Relays

117SIP

SPST, 0.35 A (AC); 0.25 A (DC)



117SIP

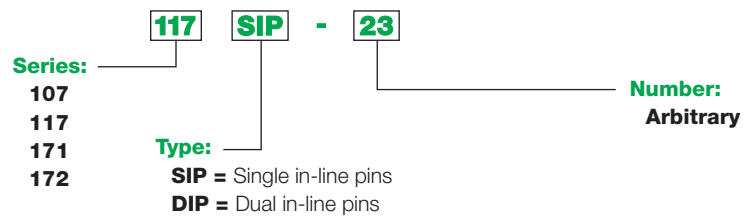
Description

The 117SIP reed relays are uniquely designed in a standard style in-line package capable of switching up to 0.35 A (AC); 0.25 A (DC).

| Feature | Benefit |
|---|--|
| Small size | Saves space on a PC board |
| High shock resistance (50 g-n) | Helps avoid damage in harsh conditions |
| Industry standard pin spacing | Designed for simple routing on PC board |
| Can withstand a lead-free solder reflow process | Meets industry standards |
| RoHS Compliant | Meets industry standards for RoHS compliant reflow processes |

| Rated Output Current | Contact Configuration | Input Voltage (Vdc) | Coil Resistance (Ω) | Wiring Diagram | Standard Part Number |
|--------------------------|--------------------------|---------------------|------------------------------|----------------|----------------------|
| 0.35 A (AC); 0.25 A (DC) | SPST-NO | 5 | 500 | A | 117SIP-1 |
| | | 12 | 1000 | A | 117SIP-3 |
| | SPST-NC | 5 | 500 | B | 117SIP-22 |
| | SPST-NO w/clamping diode | 5 | 500 | C | 117SIP-6 |
| | SPST-NC w/clamping diode | 5 | 500 | D | 117SIP-18 |

Part Number Explanation



Specifications (UL 508)

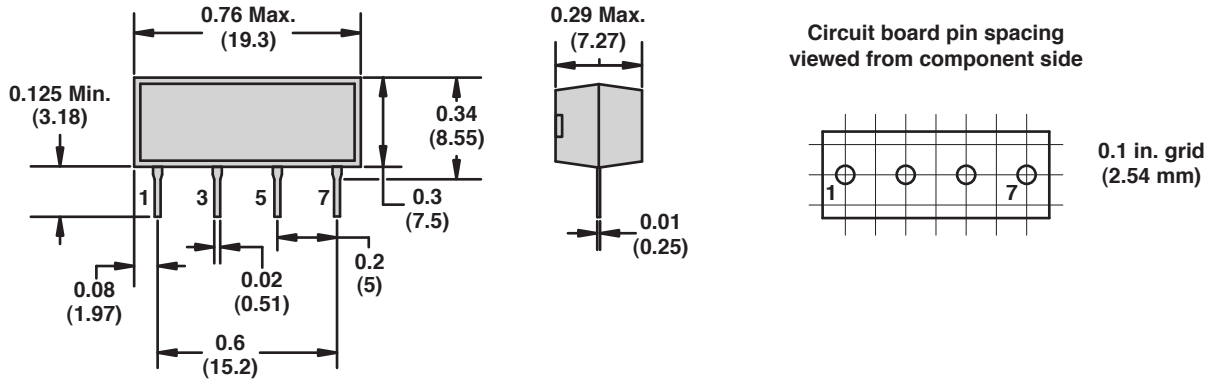
| Part Number 117SIP | Specifications |
|--|--------------------------|
| Input Characteristics | |
| Input Voltage Range | 5–24 Vdc |
| Operating Range (% of Nominal) | 80%–110% |
| Average Power Consumption | 0.29 W |
| Drop-out Voltage Threshold | 10% |
| Output Characteristics | |
| Contact Configuration | SPST-NO; SPST-NC |
| Contact Materials | Ruthenium |
| Output Current Load | 0.35 A (AC); 0.25 A (DC) |
| Output Voltage Range | 120 Vac; 200 Vdc |
| Output Load Wattage | 10 W |
| Minimum Switching Requirement | 1 mA |
| General Characteristics | |
| Electrical Life (Operations at rated current) | 200,000 operations |
| Mechanical Life (Unpowered) | 100,000,000 operations |
| Operating Time (Response time) | 1 ms |
| Dielectric Strength (Between coil and contact) | 500 V(rms) |
| Dielectric Strength (Between poles) | 500 V(rms) |
| Dielectric Strength (Between contacts) | 200 V(rms) |
| Storage Temperature Range | -40–105 °C (-40–221 °F) |
| Operating Temperature Range | -40–85 °C (-40–185 °F) |
| Vibration Resistance (Operational) | 20 g-n, 10–2000 Hz |
| Shock Resistance | 50 g-n |
| Weight | 1 g (0.035 oz) |
| Agency Approvals | RoHS |

Legacy PCB & Reed Relays

117SIP

SPST, 0.35 A (AC); 0.25 A (DC)

Dimensions: Inches (Millimeters)



Wiring Diagrams

