

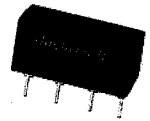
SINGLE IN-LINE PACKAGE REED RELAY

SIP

SPECIFICATIONS

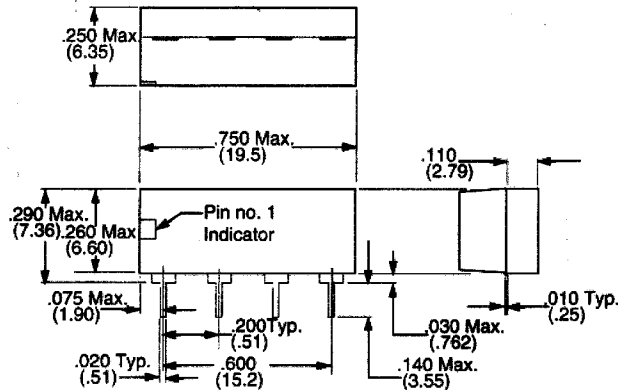
Package Material: Epoxy, molded
 Contact Material: Rhodium
 Ambient Temperature: - 40°C to + 85°C
 Dielectric Strength: 150 V rms Across open contacts
 1500 V rms all other points
 Insulation Resistance: 1000 Megohms Min.
 Capacitance: 1.0 pF typical coil to contacts
 Shock Resistance: 50 G's
 Vibration Resistance: 20 G's to 200 Hz
 Operate Time: 1 Millisecond
 Release Time: 1 Millisecond
 Life: 5 Million operations at rated load
 20 Million operations no load

CLASS 117 & MRRQ "SIP" 0.5 AMP SWITCHING FORM "A" OR "B" CONTACTS



OUTLINE DIMENSIONS

Dimensions shown are in "INCHES" & (Millimeters)



OPTIONS

Suffix (Used in Struthers-Dunn Part Numbers only)

Electrostatic shield E (requires Additional Terminal)
 Low power Coil R (5V & 12V dry reed only)
 Mercury Reed Switch Z (1 form "A" Only, position sensitive)

| CIRCUIT DIAGRAM TOP VIEW | Magnecraft STRUTHERS-DUNN EQUIVALENT RELAY PART NUMBERS | | COIL Measured @ 25°C | | | | | MAXIMUM CONTACT RATING | | | |
|---|---|-------------|-----------------------|-----------------|-----------------|---------------------------|--------------------|---------------------------|----------------------------------|--|--|
| | | | NOMINAL INPUT VOLTAGE | MAXIMUM PULL-IN | MAXIMUM DROPOUT | NOMINAL RESISTANCE (OHMS) | NOMINAL POWER (mW) | MAXIMUM SWITCHING LOAD | MAXIMUM CONTINUOUS CARRY CURRENT | | |
| 1 FORM "A" (SPST - N.O.) | | | | | | | | | | | |
| | W117SIP-1 | MRRQ1A-5D | 5 | 4.0 | 0.5 | 500 | 50 | 10VA 0.5 AMP 200VDC | 1.5 AMPS | | |
| | W117SIP-3 | MRRQ1A-12D | 12 | 9.6 | 1.0 | 1870 | 77 | | | | |
| | W117SIP-5 | MRRQ1A-24D | 24 | 19.2 | 2.0 | 3200 | 180 | | | | |
| 1 FORM "B" (SPST - N.C.) | | | | | | | | | | | |
| | W117SIP-22 | MRRQ1B-5D | 5 | 4.0 | 0.5 | 500 | 50 | | | | |
| | W117SIP-23 | MRRQ1B-12D | 12 | 9.6 | 1.0 | 1200 | 120 | | | | |
| | W117SIP-24 | MRRQ1B-24D | 24 | 19.2 | 2.0 | 2200 | 270 | | | | |
| 1 FORM "A" (SPST - N.O.) WITH CLAMPING DIODE ← | | | | | | | | | | | |
| | W117SIP-6 | MRRQ1AV-5D | 5 | 4.0 | 0.5 | 500 | 50 | | | | |
| | W117SIP-8 | MRRQ1AV-12D | 12 | 9.6 | 1.0 | 1870 | 77 | | | | |
| | W117SIP-10 | MRRQ1AV-24D | 24 | 19.2 | 2.0 | 3200 | 180 | | | | |
| 1 FORM "B" (SPST - N.C.) WITH CLAMPING DIODE ← | | | | | | | | | | | |
| | W117SIP-18 | MRRQ1BV-5D | 5 | 4.0 | 0.5 | 500 | 50 | | | | |
| | W117SIP-25 | MRRQ1BV-12D | 12 | 9.6 | 1.0 | 1200 | 120 | | | | |
| | W117SIP-26 | MRRQ1BV-24D | 24 | 19.2 | 2.0 | 2200 | 220 | | | | |