

# Mini Quality Reed Relay

## Standard version

- No electrostatic shield-General use
- 1 electrostatic shield pin-High quality
- 2 electrostatic shield pin-High quality
- Signal switching IC CHECKER LS



## CONTACT SPECIFICATIONS

|  |  |
|--|--|
| Available coil options   | 5.12.24volt  |
| Standard shielding   | Electrostatic 5~6 pin relay  |
| No shielding   | Electrostatic 4 pin relay  |
| Contact resistance.max   | 150m Ω   |
| Rating<br>Max.switching Power<br>Max.switching voltage<br>Breakdown voltage<br>Max.switching Current<br>Max.carrying Current | 10W<br>DC/peakAC 100<br>(VDC) min 250<br>0.5A<br>1.0A                            |
| Initial insulation resistance<br>open contacts<br>contacts and coil<br>contacts and ground                                   | Min 1,000 MΩ - 10,000 MΩ<br>Min 1,000 MΩ - 10,000 MΩ<br>Min 1,000 MΩ - 10,000 MΩ |
| Initial breakdown voltage<br>open contacts<br>contacts and coil<br>contacts and ground                                       | 200VCD for 1min<br>500VCD for 1min<br>500VCD for 1min                            |
| Operating characteristics<br>operating time (msec)<br>release time (msec)<br>bounce time (msec)                              | max. 0.5<br>max. 0.2<br>0.2  |
| Operating temperature range  | 20° C to + 80° C   |
| Life expectancy(operations)  | 10 <sup>8</sup>  |

## COIL DATA

| MODEL    | Nominal voltage<br>V DC | Pick-up voltage<br>V DC(max) | Drop-out voltage<br>V DC(min) | Nominal current<br>mA | Coil resistance<br>Ω (±10%) | Max.allowable voltage<br>V DC |
|----------|-------------------------|------------------------------|-------------------------------|-----------------------|-----------------------------|-------------------------------|
| SM105S.S | 5                       | 3.6                          | 1.0                           | 33.3                  | 150                         | 6.0                           |
| SM112S.S | 12                      | 9.6                          | 2.4                           | 20.0                  | 600                         | 14.4                          |

## DIMENSIONS DRAWING (mm)

