

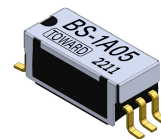
# BS Series

## (1 Form A)

## Miniature Surface Mount Reed Relay

### Features

- High reliability, hermetically sealed.
- High insulation resistance, with a minimum of  $1 \times 10^{11} \Omega$
- External magnetic shield and electrical shield.



### Order Code

BS-1A XX X  
a b

a : Nominal Coil Voltage : 05=5VDC

b : Lead shape : Nil=Gull Wing Type

### Coil Data-Standard Type 1 Form A (at 20°C )

Nominal Voltage DC $\pm 10\%$ [V]	Max. Coil Voltage (VDC)	Coil Resistance $\pm 10\%$ (ohm)	Min. Release Voltage (VDC)	Max. Operate Voltage (VDC)
5	6	150	0.7	3.75

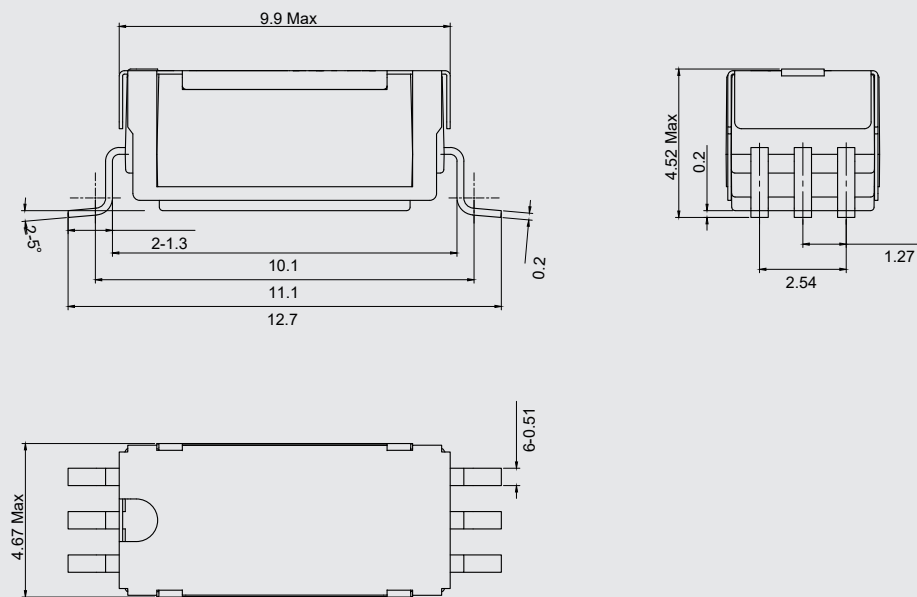
### Contact Rating

Contact Form	<b>1 Form A</b>
Contact Rating	10W
Switching Voltage	100 VDC
Max. Switching Current	0.5A
Max. Carry Current	1.0A

## Specification

Contact Resistance	150mΩ
Contact Resistance Stability	5 mΩ
Breakdown Voltage	Between contacts 200 VDC / peak AC Contacts to shield 250 VDC / peak AC Contacts / shield to coil 250 VDC / peak AC
Insulation Resistance (Between all isolated pins)	1x10 <sup>11</sup> Ω
Operate Time	0.3 mS
Release Time	0.05mS
Vibration	20G 10~2000Hz
Shock	50G
Operating Temperature	-20°C ~ +80°C
Storage Temperature	-40°C ~ +85°C
Electrical Life Expectancy	3X10 <sup>8</sup> Operations @ 1V_10mA
Processing Temperature	260 °C / 60 second Max.

## Dimensions (Unit : mm)



Note: Tolerance  $\pm 0.2\text{mm}$

## Wiring Diagrams (Top View)

