

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

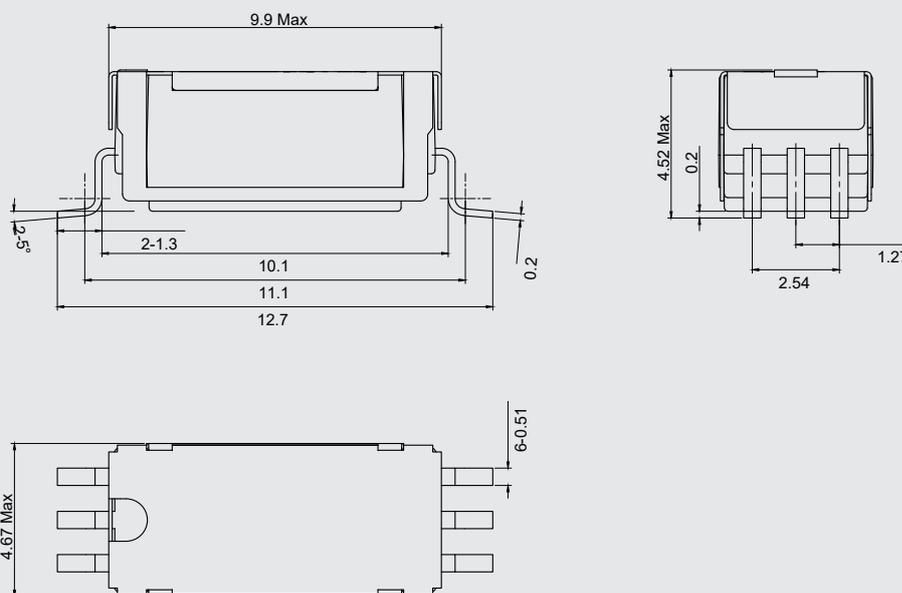
Contact Form	1 Form A
Contact Rating	10W
Switching Voltage	100 VDC
Max. Switching Current	0.5A
Max. Carry Current	1.0A



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 ¹¹ 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 ⁸ Operations @ 1V_10mA
Processing Temperature		260 °C / 60 second Max.

Dimensions (Unit : mm)



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

Wiring Diagrams (Top View)

