

BFS Series

1a Reed Relays

Features

- High reliability reed relays.
- High Insulation Resistance.
- High speed switching compared to electromechanical relays.
- Hermetically sealed contacts for long life.
- Optional electrostatic shield for reducing capacitive coupling.
- Optional coaxial shield for 50Ω impedance and switching of fast rise time digital pulses.
- RoHS compliant.

勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
 勝特力電子(上海) 86-21-34970699
 勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>

Order Code

BFS-XX-XXM-X
 a b c

a: Contact Form: 1A=1FormA

b: Nominal Coil Voltage: 05=5VDC, 12=12VDC, 24=24VDC

c: Nil=Standard, 1=Special

Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% [ohm]	Nominal Current [mA]	Must Release Voltage MIN. [V] at 20	Must Operate Voltage MAX. [V] at 20
5	150	33.3	0.4	3.8
12	600	20.0	1.0	9.0
24	1200	20.0	2.0	16.8

Contact Specifications

Contact Form	1 Form A
Contact Rating	10W
Max. Switching Voltage	150V
Max. Switching Current	0.5A
Max. Carry Current	1.0A
Max. Static Contact Resistance	150mΩ
Max. Dynamic Contact Resistance	200mΩ



Electrical Specifications

Contact Form		1 Form A
Breakdown Voltage	Between contacts	250VDC
	contact to shield	250VDC
	contact / shield to coil	1500VDC
Insulation Resistance		$10^{11}\Omega$
Capacitance		0.9pF
Operate Time Including bounce - Typical		0.55mS
Release Time - Typical		0.1mS

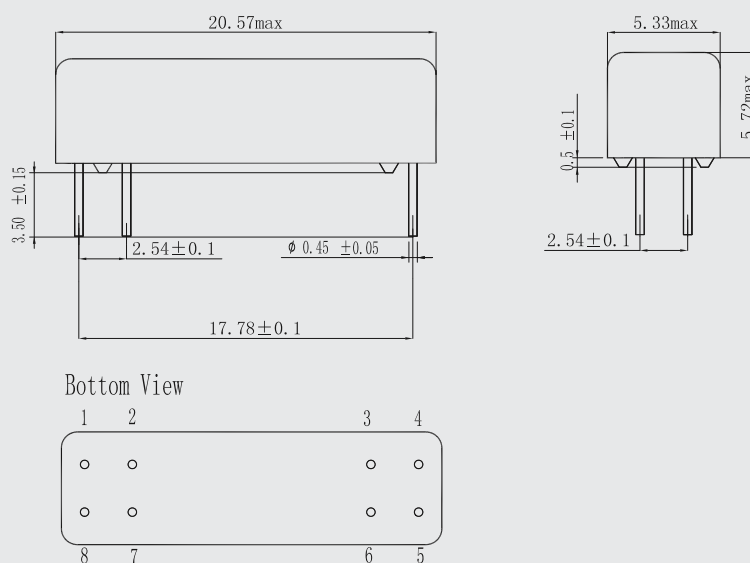
Mechanical Specifications

Vibration (0 to 2KHz 1.5mm)	20G
shock (11mS 1/2 Sin Wave)	50G

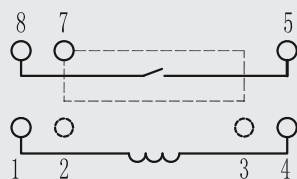
Environmental

Operating Temp	-25°C~+85°C
Storage Temp	-35°C~+100°C
Life Expectancy (1.0VDC 10mA)	5×10^8

Dimensions (Unit : mm)



Wiring Diagrams (Top View)



BFS-1A-M

Note: pin#7 is tied to optional electrostatic shield.

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