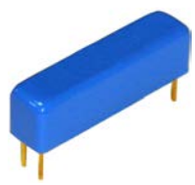
1a,1c Reed Relays

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

Order Code

BFC-1A-XX X X
a b c d

a: Contanct Form:1A=1 Form A
b: Nominal Coil Voltage:05=5VDC,12=12VDC,24=24VDC
c: E=Electrostatic Shield, C=Coaxial Shield
d: R=Special Pin Assignment

Coil Data-Standard Type(at20°C)

Part Number	Nominal Voltage DC±10%[V]	Coil Resistance ±10% (ohm)	Nominal Current (mA)	Must Release Voltage Min.[V]at20°C	Must Operate Voltage Max.[V]at20°C
BFC-1A	05	150	33	0.5	3.6
	12	600	20	1.2	9.0
	24	1200	20	2.4	18

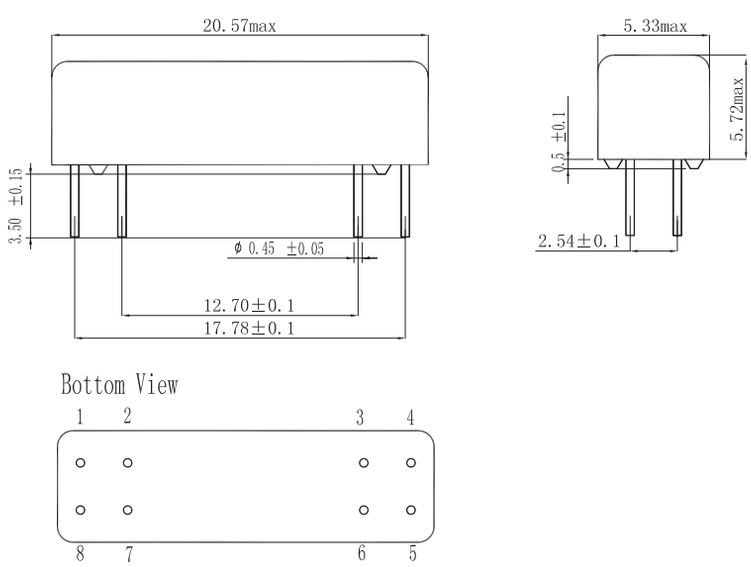
Contact Rating

Relay Model	BFC-1A
Contact Rating Max DC/Peak AC	10W
Switching Voltage Max DC/Peak AC	150V
Max.Switching Current Max DC/Peak AC	0.5A
Max.Carry Current Max DC/Peak AC	1.0A

Specifications

Relay Model	BFC-1A
Static Contact Resistance (Max.init.)(50mV,10mA)	150mΩ
Dynamic Contact Resistance (Max.init.) (0.5V,50mA;at 100 HZ,1.5msec)	200mΩ
Dielectric Strength Between Contacts	250
Dielectric Strength Contacts to Shield	250
Dielectric Strength Contacts/Shield to coil	1500
Insulation Resistance Between all Isolated pins at 100V 25°C,40%RH	10^{11}
Capacitance-Typical No Shield	0.9pF
Capacitance-Typical Shield Guarding	0.2pF
Operate Time-Including Bounce-Typical	0.55mS
Release Time-Typical	0.1mS
Vibration	20G (0-2000 Hz)
Shock	50G
Operating Temperature	-25°C~85°C
Storage Temperature	-35°C~100°C
Life Expectancy(Signal Level 1.0V,10mA)	5X10^{8}Ops

Dimensions(Unit:mm)



Wiring Diagrams(Top View)

BFC-1AXXE BFC-1AXXC