

Patent: ZL 2011 2 0054622.4



ISO9001、ISO14001 Certification Enterprises

Main Feature

1. Small size (20.4x9.9x11.1 in mm) produces a switching capacity up to 1A for high density P.C.Board mounting technique.
2. The contact form construction is 2C
3. The Surge Resistance of BSVR series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
BSVR-SS: Plastic Sealed Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
6. RoHS Compliant.

Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

Contact Rating

- Nominal Load(Resistive Load Cos $\phi = 1$)
Contact Capacity
BSVR-L.....1A at 125VAC
2A at 30VDC
- Max. Allowable Current
BSVR-L.....2A
- Max. Allowable Voltage
BSVR-L.....AC125V,DC30V
- Max. Allowable Power Force
BSVR-L.....125VA 30W
- Contact Material..... Ag Alloy
- Contact Form..... SPDT

Performance (at Initial Value)

- Contact Resistance..... $\leq 100m\Omega$ at 6VDC/1A
- Operate Time.....10ms. Max
- Release Time..... 5ms. Max
- Dielectric Strength:
Between Coil & Contact.....1,000VAC at 50/60 Hz
for one minute
Between Contacts.....750VAC at 50/60 Hz
for one minute
- Surge Resistance.....10,000V (between Coil
& Contact 1.2x50 μ s)

- Insulation Resistance.....500 Mega Ω Min.at
500VDC
- Max. On/Off Switching:
Electrical.....30 Ops per minute
Mechanical.....300 Ops per minute
- Temperature Range..... - 30~70°C
- Humidity Range.....5%~85% RH
- Coil Temperature Rise..... 35°C Maximum
- Vibration:
Endurance.....10 to 55 Hz dual
amplitude width 1.5mm
Error Operation.....10 to 55 Hz dual
amplitude width 1.5mm
- Shock:
Endurance..... 981m/s² Min
Error Operation..... 98.1m/s² Min
- Life Expectancy:
Electrical.....10⁵ Operations at
Rated Resistive
load
Mechanical.....10⁷ Operations at
No load condition
- Weight.....about 5.5g

Safety Standard & Its File Number

- UL.....E332719
- TUV..... R50262654

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 8\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
BSVR-L	3	66.7	45	Abt. 0.2	75% Maximum	10% Minimum	130%
	5	40	125				
	6	33.7	180				
	9	22.2	405				
	12	16.7	720				
	24	8.3	2880				

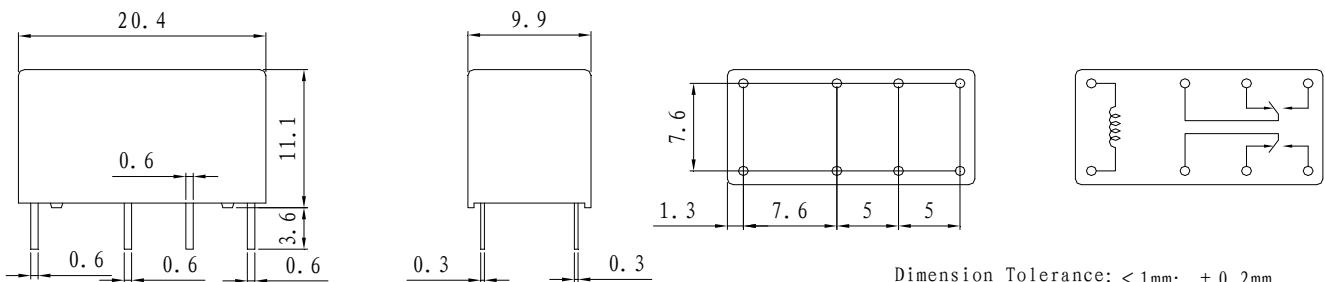
Ordering Information

BSVR	-	SS	-	2	12	L	Contact Form: Nil:Two form C
							Coil Type: L:Standard DC Coil
							Coil Voltage: 03:3V, 05:5V,06:6V,09:9V 12:12V,24:24V.48:48V
							Number of Pole: 2:Two Pole
							Type of Sealing: SS:Half a seal
							Type: BSVR

Classification

Model	BSVR
Coil Sensitivity	Standard DC Coil 2C
Flow Solder Type	BSVR -SS-2□□L

Dimension



Dimension Tolerance: < 1mm: $\pm 0.2\text{mm}$

1--5mm: $\pm 0.3\text{mm}$

> 5mm: $\pm 0.5\text{mm}$